



December 4, 2015

Reference No. 038443-12

Ms. Jenny Davison
Interim Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Davison and Mr. Renninger:

**Re: Progress Report: November 1 through 30, 2015
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)**

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of November 1 through 30, 2015.

The next Progress Report for the month of December 2015 will be submitted on or before January 10, 2016.

Significant Developments in this Reporting Period

RI/FS ASAOC Developments

There were no RI/FS ASAOC Developments in November 2015.

Removal Action ASAOC Developments

On November 5, 2015, GHD completed quarterly methane monitoring of Building 15 (SIM Trainer), GP-2 and adjacent on-Site soil gas probes, results are presented in Tables 1, 2, and 3. All methane results were 0.0 percent methane.

On November 5, 2015, USEPA adjusted the SS screening level attenuation factor (AF) from 50 to 33 to match the AF in the Office of Solid Waste and Emergency Response (OSWER) 2015 Final Vapor Intrusion (VI) Guidance.

On November 12, 2015, USEPA and the Respondents participated in a conference call regarding the status of vapor intrusion mitigation.

During the November 12 conference call, the participants discussed the following topics:

- October 2015 trichloroethene (TCE) sub-slab (SS) results remain above Ohio Department of Health (ODH) screening levels (AFs of 10 and 33) at locations SS-8-A and SS-8-B. Proposed system modifications for Building 8 include stemline additions to EP-3 and EP-5, and installation of valves and barbs on the extraction point fans.
- The AF for secondary SS screening levels was revised to 33 from 50 in order to correspond to the 2015 OSWER Final VI Guidance which results in Building 15 (SIM Trainer) July 2015 analytical results exceeding the secondary ODH SS screening levels.
- GHD will revise and submit draft sample results letters and a Building 15 (SIM Trainer) floor plan to USEPA for review.
- November 2015 methane values at Building 15 (SIM Trainer), soil gas probe GP-2 and Site soil gas probes were measured to be 0% methane. Respondents and USEPA agree that methane monitoring frequency will be reduced to annually at Building 15 (SIM Trainer), and semi-annually at GP-2 and Site soil gas probes, in accordance with the VI Mitigation Work Plan.

On November 12, 2015, GHD provided USEPA with a floor plan for Building 15 (SIM Trainer) for their use.

On November 13, 2015, GHD provided USEPA with the following documents for review and comment:

- Vapor Intrusion Mitigation Work Plan revised to reference an AF of 33 for secondary SS screening levels.
- Draft Sample Result Letter for a building where SS concentrations were greater than ODH screening levels (AF=10 and AF=33).
- Draft Sample Result Letter for a building where SS concentrations are less than ODH screening levels (i.e., building is in compliance).

As of November 30, 2015, the status of each building requiring mitigation was as follows:

Building 8 (B&G Trucking):

- 30-day proficiency sampling completed on September 12, 2013, with additional confirmatory sampling completed on January 9, 2014 and March 10, 2014.

- 2015 indoor air (IA) and/or SS soil vapor sampling were completed on February 17, 2015, July 15, 2015, and October 6, 2015:
 - Trichloroethene concentration in SS soil vapor samples collected from probes SS-8-A and SS-8-B were greater than ODH screening level (AF of 33). GHD suspects a localized TCE source under the building may be contributing to elevated TCE concentrations in the SS soil vapor.
 - Benzene concentrations from IA locations IA-8-A and IA-8-D were less than ODH screening levels. Benzene concentration from IA location IA-8-F was greater than the ODH screening level in the July 2015 sampling round. Available evidence suggests IA benzene concentrations are the result of ongoing daily human activities within and around Building 8 as well as IA background sources, and are not the result of a complete VI pathway.
 - The fan at extraction point EP-3 was not operating during the majority of the July 2015 sampling round and was replaced late in the day on July 15, 2015.
 - The fans at extraction points EP-1 and EP-2 were not operating on September 29, 2015 and were replaced on October 1, 2015.
 - All fans were operational during the October 2015 sampling round.
- Respondents and USEPA will propose sub-slab depressurization system (SSDS) modifications to the building owner.

Building 9 (B&G Trucking):

- 30-day and 180-day proficiency sampling completed on October 24, 2013 and March 10, 2014, respectively, with additional 180-day confirmatory sampling completed on May 20, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 17, 2015, and July 15, 2015:
 - TCE concentrations in samples collected from SS soil vapor probe SS-9-A remain greater than ODH screening levels. GHD suspects a localized TCE source under the building may be contributing to elevated TCE concentrations in SS soil vapor.
 - Benzene and xylenes were not detected in Building 9 during the July 2015 sampling round.
- Respondents and USEPA will propose SSDS modifications to the building owner.

Building 12 (Overstreet Painting and S&J Precision):

- 30-day proficiency sampling completed on October 24, 2013. A corrective action was implemented on March 6, 2014 and additional confirmatory sampling was completed on April 2 and 3, 2014.

- Two rounds of 2015 IA and SS soil vapor sampling completed on February 18, 2015 and July 13, 2015:
 - TCE concentrations in SS soil vapor samples remain greater than ODH screening and action levels. GHD suspects a localized TCE source under the building may be contributing to elevated TCE concentrations in SS soil vapor.
 - cis-1,2-Dichloroethene (cis-1,2-DCE) concentrations in SS soil vapor samples have decreased to less than the ODH screening level.
 - Benzene remains present in IA samples at concentrations greater than ODH screening levels; however, based on available data, the benzene concentrations in indoor air are a result of ongoing daily human activities within and around Building 12, and are not the result of a complete VI pathway.
- Respondents and USEPA will propose SSDS modifications to the building owner.

Building 14 (Bullseye Amusements):

- 30-day proficiency sampling completed on January 16, 2014 and 180-day proficiency sampling completed on June 3, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 19, 2015 and July 16, 2015.
- The building is in compliance; IA and SS concentrations are less than ODH screening levels.
- Annual proficiency sampling will be completed in July 2016.

Building 15 (SIM Trainer):

- 30-day proficiency sampling completed on February 13, 2014. A corrective action was implemented on April 6, 2014 and additional confirmatory sampling was completed on April 24, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 18, 2015 and July 14, 2015.
- July 2015 TCE SS concentration at SS-15-C was greater than the ODH SS screening level (AF of 33)
- IA concentrations are less than ODH IA screening levels.
- Respondents and USEPA will propose SSDS modifications to the building owner.

Building 17 (Megacity Construction):

- 30-day and 180-day proficiency sampling completed on January 16, 2014, and June 3, 2014, respectively.
- 1-year proficiency sampling completed on February 19, 2015.
- The building is in compliance.
- Annual proficiency sampling will be completed in February 2016.

Building 24 (Globe Equipment):

- 30-day, 180-day, and 1-year proficiency sampling completed on September 11, 2013, February 7, 2014, and December 5, 2014 respectively.
- One-year confirmatory sampling completed on February 20, 2015.
- Additional confirmatory sampling completed on July 16, 2015.
- The building is in compliance; IA and SS concentrations are less than ODH screening levels.
- Respondents and USEPA will propose SSDS modifications to the building owner to improve SS vacuum.
- Annual proficiency sampling will be completed in February 2016.

Summaries of all Anticipated Problems and Planned Resolutions

As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The owners of the buildings (i.e., South Dayton Remediation Trust) refused to allow additional work to occur. On October 24, 2014, the Respondents transmitted letters to the owners and tenants of the buildings with remaining sub-slab issues providing the analytical results for sampling completed to date and seeking their consent to cease intrusive vapor abatement activities and transition to an enhanced indoor air monitoring program. In January 2015, the legal counsel for the owners provided written notification that the owners and tenants agree to allow indoor air monitoring to proceed but were not willing to allow further remedial work. In September 2015, USEPA and GHD met with owners and tenants and informally discussed the potential for further remedial work; additional discussions are pending.

Projected Work for the Next Reporting Period

- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- Discussions regarding proposed SSDS modifications with building tenants/owners will be scheduled for December 16 and/or 17, 2015.
- The Respondents will review and respond to the USEPA response to the Good Faith Offer letter and comments on the new ASAOC and SOW.

Should you have any questions on the above, please do not hesitate to contact us.

Sincerely,

GHD



Julian Hayward

BR/cb/6

Encl.

cc: (all by pdf) Leslie Patterson, U.S. EPA
Wendell Barner, Barner Consulting
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Lauren Foster, Tetra-Tech
Brandon Helm, Tetra-Tech

Madelyn Adams, Ohio EPA
Steve Quigley, GHD
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Wray Blattner, Thompson Hine
Valerie Chan, GHD

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / Storage area ambient air, without filter	1/19/2012	11:50	0.9	22.1	0.1	0.0	ND(1) ¹		
5173 / 1 / C / Storage area, without filter		12:01	391	7.5	2.7	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/24/2012	10:00	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		10:09	96.7	5.5	2.8	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/31/2012	10:50	1	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		11:14	182.7	5.5	3.1	1.1	25		
5173 / 1 / Storage area ambient air, without filter	2/7/2012	10:44	0.1	21.7	0.1	0.0	0		
5173 / 1 / C / Storage area, without filter		10:56	142.3	10.9	1.8	0.9	21		
5173 / 1 / Storage area ambient air, without filter	2/16/2012	10:40	0.1	20.5	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:04	79.4	14.1	3.1	0.5	10		
5173 / 1 / C / Storage area without filter		11:04	79.4	18.1	0.3	0.2	3		
5173 / 1 / Storage area ambient air, without filter	3/1/2012	11:36	0.1	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:46	196.5	13.8	0.2	0.3	7		
5173 / 1 / C / Storage area without filter		12:48	196.5	16.9	1.5	0.4	9		
5173 / 1 / Storage area ambient air		9:32	0	20.1	0.8	0.0	0		
5173 / 1 / C / Storage area with filter		10:20	101.2	1.0	3.3	0.8	18		
5173 / 1 / C / Storage area without filter			101.2	0.4	4.7	1.4	27		
5173 / 1 / A ambient air without filter	3/13/2012	9:57	0	21.0	0.1	0.0	0		
5173 / 1 / A with filter		10:15	0	16.9	3.0	0.0	0		
5173 / 1 / B ambient air without filter		9:30	0	21.4	0.0	0.0	0		
5173 / 1 / B with filter		9:48	0.2	9.1	7.9	0.0	0		
5173 / 1 / Storage area ambient air, without filter	3/22/2012	11:50	0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:44	105.8	3.2	1.2	0.7	11		
5173 / 1 / C / Storage area without filter		12:47	105.8	3.0	5.1	1.1	24		
5173 / 1 / Storage area ambient air, without filter	3/27/2012		0.1	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			17.1	3.9	1.9	0.9	17		
5173 / 1 / C / Storage area without filter		10:56	17.1	5.9	5.4	1.2	26		
5173 / 1 / Storage area ambient air, without filter	4/3/2012	12:30	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:09	136.8	1.9	0.4	0.8	19		
5173 / 1 / C / Storage area without filter		13:10	136.8	1.7	5.1	1.4	29		
5173 / 1 / Storage area ambient air, without filter	4/10/2012	11:05	0	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:52	206.1	3.0	0.5	0.8	19		
5173 / 1 / C / Storage area without filter		11:53	206.1	3.1	1.2	0.9	27		
5173 / 1 / Storage area ambient air, without filter	4/17/2012	10:15	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:32	129.8	2.3	2.2	0.9	19		
5173 / 1 / C / Storage area without filter		10:37	129.8	1.5	5.5	1.4	28		
5173 / 1 / Storage area ambient air, without filter	4/26/2012	11:13	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:27	120.7	2.2	1.7	0.9	10		
5173 / 1 / C / Storage area without filter		11:31	120.7	14.9	1.6	0.5	12		
5173 / 1 / Storage area ambient air, without filter	5/3/2012	11:33	0	20.2	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:45	122.1	15.2	0.8	0.3	5		
5173 / 1 / C / Storage area without filter		11:48	122.1	9.5	3.4	0.7	14		
5173 / 1 / Storage area ambient air, without filter	5/10/2012	13:58	0	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:10	167.9	10.7	0.9	0.6	14		
5173 / 1 / C / Storage area without filter		14:11	167.9	7.8	3.8	0.9	18		
5173 / 1 / Storage area ambient air, without filter	5/15/2012		0	20.1	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			80.4	10.7	0.2	0.5	10		
5173 / 1 / C / Storage area without filter			80.4	20.8	0.3	0.1	2		
5173 / 1 / Storage area ambient air, without filter	5/24/2012	13:15	0.0	20.8	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:39	107.1	1.2	6.2	0.9	18		
5173 / 1 / C / Storage area without filter		13:47	107.1	2.2	6.4	1.3	26		
5173 / 1 / Storage area ambient air, without filter	5/31/2012	11:04	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:14	116.6	8.7	1.5	0.3	7		
5173 / 1 / C / Storage area without filter		11:20	116.6	16.8	2.0	0.7	27		
5173 / 1 / Storage area ambient air, without filter	6/7/2012	10:24	0.0	20.9	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:33	102.2	0.9	6.2	1.1	22		
5173 / 1 / C / Storage area without filter		10:44	102.2	1.8	7.0	1.4	28		
5173 / 1 / Storage area ambient air, without filter	6/14/2012	10:55	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:07	72.0	5.5	3.5	0.7	20		
5173 / 1 / C / Storage area without filter		11:13	72.0	3.8	4.3	1.0	21		
5173 / 1 / Storage area ambient air, without filter	6/19/2012	10:33	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:55	78.0	1.8	2.3	1.3	26		
5173 / 1 / C / Storage area without filter		10:57	78.0	1.3	7.3	2.2	43		
5173 / 1 / Storage area ambient air, without filter	6/28/2012	10:01	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:11	65.7	5.8	3.2	0.7	21		
5173 / 1 / C / Storage area without filter		10:11	65.7	3.7	4.7	1.1	27		
5173 / 1 / Storage area ambient air, without filter	7/3/2012	10:15	0.0	19.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:56	68.0	1.9	7.6	1.7	36		
5173 / 1 / C / Storage area without filter		10:58	68.0	1.9	6.4	1.3	25		

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Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1	7/11/2012								
5173 / 1 / Storage area ambient air, without filter		13:15	0.1	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	7/19/2012	13:40	65.9	1.7	6.5	1.8	38		
5173 / 1 / C / Storage area without filter		13:40	65.9	1.6	7.9	2.6	51		
5173 / 1 / Storage area ambient air, without filter		9:45	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	7/26/2012	9:54	0.0	2.4	6.2	1.9	43		
5173 / 1 / C / Storage area without filter		9:54	0.0	1.0	7.7	3.2	63		
5173 / 1 / Storage area ambient air, with filter		9:40	0.0	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter	8/2/2012	9:40	0.0	20.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		9:52	79.6	9.2	0.1	1.1	17		
5173 / 1 / C / Storage area without filter		9:52	79.6	6.9	5.3	1.8	38		
5173 / 1 / Storage area ambient air, with filter		9:57	--	--	--	--	0		
5173 / 1 / Storage area ambient air, without filter	8/7/2012	9:57	0.3	20.7	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		10:06	--	--	--	--	43		
5173 / 1 / C / Storage area without filter		10:06	116.5	3.7	6.7	2.9	57		
5173 / 1 / A / Office area ambient air with filter		11:55	0.1	20.3	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		11:55	0.1	20.2	0.0	0.0	0		
5173 / 1 / A / Office area with filter		11:58	2.5	19.5	0.3	0.0	0		
5173 / 1 / A / Office area without filter		11:58	2.5	19.7	0.9	0.0	0		
5173 / 1 / B / Firing Range	8/16/2012					Inaccessible due to Firing Range operation			
5173 / 1 / Storage area ambient air, with filter		11:52	0.3	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		11:52	0.3	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:26	100.7	0.5	6.1	2.2	47		
5173 / 1 / C / Storage area without filter		12:26	100.7	1.3	6.7	3.1	62		
5173 / 1 / A / Office area ambient air with filter		14:05	0.0	21.1	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.0	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:20	2.0	19.5	0.1	0.0	0		
5173 / 1 / A / Office area without filter		14:20	2.0	19.7	0.8	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter	8/21/2012	13:45	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:55	2.3	4.4	12.2	0.0	0		
5173 / 1 / B / Firing Range without filter		13:55	2.3	6.3	11.0	0.0	0		
5173 / 1 / Storage area ambient air, with filter		14:25	0.0	21.1	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		14:25	0.0	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:37	110.9	0.5	5.0	2.1	42		
5173 / 1 / C / Storage area without filter		14:37	110.9	4.8	5.1	2.3	46		
5173 / 1 / A / Office area ambient air without filter		0.0	20.0	0.0	0.0	0			
5173 / 1 / A / Office area with filter		13:44	0.5	19.5	0.9	0.0	0		
5173 / 1 / A / Office area without filter		13:44	0.5	19.4	1.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter	8/30/2012	13:57	0.0	20.7	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:07	1.2	5.5	11.0	0.0	0		
5173 / 1 / B / Firing Range without filter		14:07	1.2	5.3	11.6	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:03	0.0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:21	39.1	1.4	3.8	1.9	39		
5173 / 1 / C / Storage area without filter		13:21	39.1	0.9	6.6	2.8	57		
5173 / 1 / A / Office area ambient air with filter		0.0	20.6	0.0	0.0	0			
5173 / 1 / A / Office area ambient air without filter		0.0	20.8	0.0	0.0	0			
5173 / 1 / A / Office area with filter	9/6/2012	14:07	3.8	19.4	0.1	0.0	0		
5173 / 1 / A / Office area without filter		14:07	3.8	19.2	0.9	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		0.0	20.3	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		0.0	20.4	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		14:00	3.8	62.0	9.9	0.0	0		
5173 / 1 / B / Firing Range without filter		14:00	3.8	63.0	11.4	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	20.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:41	140.4	0.9	5.0	1.9	38		
5173 / 1 / C / Storage area without filter		13:41	140.4	0.8	6.3	2.8	58		
5173 / 1 / A / Office area ambient air with filter		0.0	20.9	0.0	0.0	0			
5173 / 1 / A / Office area ambient air without filter		0.0	20.7	0.0	0.0	0			
5173 / 1 / A / Office area with filter	9/13/2012	12:08	0.5	19.6	0.2	0.0	0		
5173 / 1 / A / Office area without filter		12:08	0.5	19.2	1.0	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		0.0	21.3	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		0.0	21.1	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		12:23	1.9	5.8	9.7	0.0	0		
5173 / 1 / B / Firing Range without filter		12:23	1.9	5.5	11.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		0.0	21.2	0.0	0.0	0			
5173 / 1 / Storage area ambient air, without filter		0.0	21.2	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		60.2	0.8	5.1	2.3	45			
5173 / 1 / C / Storage area without filter		60.2	1.0	6.0	2.7	55			

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	9/20/2012	11:55	0.0	20.3	0.1	0.0	low 70s	none				
5173 / 1 / A / Office area ambient air without filter		11:55	0.0	20.3	0.0	0.0						
5173 / 1 / A / Office area with filter		12:04	0.6	18.0	0.2	0.0						
5173 / 1 / A / Office area without filter		12:04	0.6	17.8	1.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:15	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:15	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		12:23	88.5	1.9	4.5	2.0						
5173 / 1 / C / Storage area without filter		12:23	88.5	1.8	5.3	2.6						
5173 / 1 / SIM Trainer	9/27/2012	Inaccessible						60s - 70s	none			
5173 / 1 / A / Office area ambient air with filter	10/2/2012	13:05	0.0	21.1	0.0	0.0	mid 60s	light rain				
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		13:09	0.7	15.6	0.7	0.0						
5173 / 1 / A / Office area without filter		13:09	0.7	17.4	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:00	0.7	4.6	10.3	0.0						
5173 / 1 / B / Firing Range without filter		13:00	0.7	4.7	10.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:13	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:13	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter	10/18/2012	13:17	57.3	0.8	5.8	2.0	mid 70s	none				
5173 / 1 / C / Storage area without filter		13:17	57.3	0.9	5.0	2.8						
5173 / 1 / A / Office area ambient air with filter		13:15	0.0	21.2	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:15	0.0	21.3	0.0	0.0						
5173 / 1 / A / Office area with filter		13:44	0.8	16.3	2.4	0.0						
5173 / 1 / A / Office area without filter		13:44	0.8	16.2	2.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:50	104.2	1.8	3.8	1.5						
5173 / 1 / C / Storage area without filter		13:50	104.2	1.9	4.3	1.9						
5173 / 1 / A / Office area ambient air with filter	10/25/2012	13:35	0.0	21.0	0.1	0.0	70s	none				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area with filter		14:17	2.4	15.6	0.8	0.0						
5173 / 1 / A / Office area without filter		14:17	2.4	15.2	2.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:06	0.0	20.5	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:06	0.0	20.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:20	1.0	3.8	9.6	0.0						
5173 / 1 / B / Firing Range without filter		14:20	1.0	4.1	10.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	21.0	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter	10/30/2012	14:24	72.9	1.3	3.7	1.5	30s - 40s	snow & rain				
5173 / 1 / C / Storage area without filter		14:24	72.9	1.4	4.1	2.0						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.9	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.9	0.1	0.0						
5173 / 1 / A / Office area with filter		14:55	1.6	14.2	1.8	0.0						
5173 / 1 / A / Office area without filter		14:55	1.6	14.3	3.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:48	0.0	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:48	0.0	21.4	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:02	1.6	4.0	9.5	0.0						
5173 / 1 / B / Firing Range without filter		15:02	1.6	4.1	10.5	0.0						
5173 / 1 / Storage area ambient air, with filter	11/8/2012	13:20	0.0	22.2	0.1	0.0	30s - 40s	none				
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	22.1	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:06	79.5	1.2	4.3	1.6						
5173 / 1 / C / Storage area without filter		15:06	79.5	1.4	4.1	2.1						
5173 / 1 / A / Office area ambient air with filter		14:02	1.4	21.4	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		14:02	1.4	21.5	0.1	0.0						
5173 / 1 / A / Office area with filter		15:21	4.2	13.7	3.2	0.0						
5173 / 1 / A / Office area without filter		15:21	4.2	13.7	3.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:15	1.2	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:15	1.2	21.1	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:26	1.8	4.5	9.5	0.0						
5173 / 1 / B / Firing Range without filter		15:26	1.8	4.8	9.9	0.0						
5173 / 1 / Storage area ambient air, with filter	11/15/2012	13:35	1.3	20.9	0.0	0.0	30s - 40s	none				
5173 / 1 / Storage area ambient air, without filter		13:35	1.3	21.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:36	165.5	1.2	3.2	1.4						
5173 / 1 / C / Storage area without filter		15:36	165.5	2.2	3.5	1.6						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)		
		Time (ppm)	(%)	(%)	(%)	(%)					
5173 / 1 / A / Office area ambient air with filter	11/15/2012	13:37	0.0	21.7	0.2	0.0	0	none			
5173 / 1 / A / Office area ambient air without filter		13:37	0.0	21.8	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:32	0.0	14.3	3.3	0.0	0				
5173 / 1 / A / Office area without filter		15:32	0.0	14.6	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:58	0.0	21.7	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:58	0.0	21.9	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:43	0.0	4.3	9.5	0.0	0				
5173 / 1 / B / Firing Range without filter		15:43	0.0	4.5	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:15	0.0	21.8	0.2	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:15	0.0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:45	92.6	1.4	2.5	1.0	21				
5173 / 1 / C / Storage area without filter		15:45	92.6	1.4	3.4	1.3	27				
5173 / 1 / A / Office area ambient air with filter	11/20/2012	13:03	0.0	20.9	0.1	0.0	0	Trace			
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.9	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:45	0.0	13.8	3.2	0.0	0				
5173 / 1 / A / Office area without filter		14:45	0.0	13.9	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.0	21.1	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:50	0.0	4.6	9.7	0.0	0				
5173 / 1 / B / Firing Range without filter		14:50	0.0	4.7	10.1	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:08	0.0	20.9	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:08	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:53	183.7	13.6	1.3	0.4	9				
5173 / 1 / C / Storage area without filter		14:53	183.7	10.8	1.8	0.8	16				
5173 / 1 / A / Office area ambient air with filter	11/29/2012	12:31	0.6	21.3	0.1	0.0	0	None			
5173 / 1 / A / Office area ambient air without filter		12:31	0.6	21.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:05	1.8	13.1	4.0	0.0	0				
5173 / 1 / A / Office area without filter		14:05	1.8	13.3	4.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:23	120.4	2.4	2.8	1.1	22				
5173 / 1 / C / Storage area without filter		14:23	120.4	2.2	3.0	1.5	30				
5173 / 1 / A / Office area ambient air with filter	12/4/2012	13:26	0.0	21.3	0.0	0.0	0	rainy (~0.3 inches)			
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:29	0.1	13.6	4.5	0.0	0				
5173 / 1 / A / Office area without filter		15:29	0.1	13.7	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:17	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:17	0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:34	0.2	9.1	7.1	0.0	0				
5173 / 1 / B / Firing Range without filter		15:34	0.2	9.1	7.3	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:07	0.0	21.4	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:07	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:39	66.6	1.6	4.2	1.0	19				
5173 / 1 / C / Storage area without filter		15:39	66.6	1.6	3.6	1.3	27				
5173 / 1 / A / Office area ambient air with filter	12/13/2012	14:18	0.0	22.0	0.0	0.0	0	sunny			
5173 / 1 / A / Office area ambient air without filter		14:18	0.0	22.0	0.0	0.0	0.0				
5173 / 1 / A / Office area with filter		15:17	0.0	14.9	2.5	0.1 U	1 U				
5173 / 1 / A / Office area without filter		15:17	0.0	14.6	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:54	0.0	22.0	0.0	0.1 U	2 U				
5173 / 1 / B / Firing Range ambient air without filter		13:54	0.0	21.8	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		15:23	1.6	6.4	8.8	0.0	1 U				
5173 / 1 / B / Firing Range without filter		15:23	1.6	6.1	9.7	0.1	1				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	22.0	0.1	0.1 U	2 U				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	22.1	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		15:34	109.7	2.0	2.6	1.0	19				
5173 / 1 / C / Storage area without filter		15:34	109.7	1.9	3.2	1.2	25				
5173 / 1 / A / Office area ambient air with filter	12/18/2012	13:55	0.0	21.7	0.1	0.0	0	none			
5173 / 1 / A / Office area ambient air without filter		13:55	0.0	21.6	0.2	0.0	0				
5173 / 1 / A / Office area with filter		14:41	0.8	14.9	3.8	0.0	0				
5173 / 1 / A / Office area without filter		14:41	0.8	14.7	4.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:04	0.0	21.5	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:04	0.0	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		14:51	0.7	6.2	9.3	0.0	0				
5173 / 1 / B / Firing Range without filter		14:51	0.7	6.4	9.7	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	21.4	0.3	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	21.4	0.4	0.0	0				
5173 / 1 / C / Storage area with filter		14:56	114.9	1.3	3.8	0.9	19				
5173 / 1 / C / Storage area without filter		14:56	114.9	1.4	3.6	1.3	26				

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	12/27/2012	13:05	0.0	21.0	0.0	0.0	30s	none	
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.0	0.0	0.0			
5173 / 1 / A / Office area with filter		14:15	0.7	15.4	4.1	0.0			
5173 / 1 / A / Office area without filter		14:15	0.7	15.5	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:25	0.5	8.1	8.7	0.0			
5173 / 1 / B / Firing Range without filter		14:25	0.5	7.8	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / C / Storage area with filter	14:35	75.0	16.5	1.1	0.3	5			
5173 / 1 / C / Storage area without filter		14:35	75.0	12.0	1.5	0.5			
5173 / 1 / A / Office area ambient air with filter	1/3/2013	12:50	0.1	21.2	0.1	0.0	10s - 20s	None	
5173 / 1 / A / Office area ambient air without filter		12:50	0.1	21.2	0.1	0.0			
5173 / 1 / A / Office area with filter		14:15	0.3	17.9	2.4	0.0			
5173 / 1 / A / Office area without filter		14:15	0.3	16.9	3.2	0.0			
5173 / 1 / B / Firing Range ambient air with filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / B / Firing Range without filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / Storage area ambient air, with filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter	14:34	90.4	4.0	2.6	0.7	15			
5173 / 1 / C / Storage area without filter		14:34	90.4	2.5	2.7	1.1			
5173 / 1 / A / Office area ambient air with filter	1/10/2013	13:28	0.0	21.1	0.1	0.0	30s	Trace	
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:24	1.0	16.0	3.7	0.0			
5173 / 1 / A / Office area without filter		14:24	1.0	16.0	3.9	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:26	0.1	20.8	0.2	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:26	0.1	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:30	0.9	9.1	7.8	0.0			
5173 / 1 / B / Firing Range without filter		14:30	0.9	9.4	7.9	0.0			
5173 / 1 / Storage area ambient air, with filter		13:24	0.1	21.0	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:24	0.1	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter	14:45	52.2	3.1	3.0	0.6	12			
5173 / 1 / C / Storage area without filter		14:45	52.2	3.2	2.8	0.9			
5173 / 1 / A / Office area ambient air with filter	1/17/2013	13:10	0.0	21.3	0.1	0.0	30s	None	
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.4	0.0	0.0			
5173 / 1 / A / Office area with filter		14:00	1.0	13.5	4.2	0.0			
5173 / 1 / A / Office area without filter		14:00	1.0	13.5	4.3	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.1	21.3	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.1	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:07	0.3	8.9	8.5	0.0			
5173 / 1 / B / Firing Range without filter		14:07	0.3	8.9	8.7	0.0			
5173 / 1 / Storage area ambient air, with filter		13:06	0.1	21.3	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:06	0.1	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter	14:21	92.9	1.5	3.3	0.8	16			
5173 / 1 / C / Storage area without filter		14:21	92.9	1.6	3.2	1.0			
5173 / 1 / A / Office area ambient air with filter	1/24/2013	13:45	0.0	22.2	0.1	0.0	10 - 20s	None	
5173 / 1 / A / Office area ambient air without filter		13:45	0.0	21.9	0.1	0.0			
5173 / 1 / A / Office area with filter		15:56	0.0	16.2	2.9	0.0			
5173 / 1 / A / Office area without filter		15:56	0.0	15.9	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range with filter		16:01	0.4	7.2	8.2	0.0			
5173 / 1 / B / Firing Range without filter		16:01	0.4	6.7	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	20.9	0.0	0.0			
5173 / 1 / C / Storage area with filter	16:08	53.0	2.5	2.8	0.6	12			
5173 / 1 / C / Storage area without filter		16:08	53.0	1.9	2.8	0.9			

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)		
		Time (ppm)	(%)	(%)	(%)	(%)					
5173 / 1 / A / Office area ambient air with filter	1/31/2013	13:33	0.0	22.1	0.1	0.0	0				
5173 / 1 / A / Office area ambient air without filter		13:33	0.0	22.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:35	0.1	15.7	2.6	0.0	0				
5173 / 1 / A / Office area without filter		15:35	0.1	14.8	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:10	0.0	22.3	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:10	0.0	22.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		15:41	0.2	6.4	9.0	0.0	0				
5173 / 1 / B / Firing Range without filter		15:41	0.2	6.6	9.5	0.0	0				
5173 / 1 / C / Storage area ambient air, with filter		13:17	0.0	22.1	0.0	0.0	0				
5173 / 1 / C / Storage area ambient air, without filter		13:17	0.0	21.8	0.1	0.0	0				
5173 / 1 / C / Storage area with filter	2/7/2013	15:46	76.7	1.9	4.3	0.6	12				
5173 / 1 / C / Storage area without filter		15:46	76.7	1.6	3.2	0.9	19				
5173 / 1 / A / Office area ambient air with filter		14:07	0.4	21.8	0.1	0.0	0				
5173 / 1 / A / Office area ambient air without filter		14:07	0.4	21.8	0.2	0.0	0				
5173 / 1 / A / Office area with filter		15:09	0.8	15.4	3.5	0.0	0				
5173 / 1 / A / Office area without filter		15:09	0.8	15.0	4.2	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation						20s - 50s	none		
5173 / 1 / C / Storage area ambient air, with filter		13:54	0.2	21.4	0.1	0.0	0				
5173 / 1 / C / Storage area ambient air, without filter		13:54	0.2	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		15:21	135.7	2.0	3.4	0.6	13				
5173 / 1 / C / Storage area without filter		15:21	135.7	1.5	3.0	0.9	19				
5173 / 1 / A / Office area ambient air with filter	2/12/2013	13:01	0.1	21.2	0.0	0.0	0	30s - 40s	none		
5173 / 1 / A / Office area ambient air without filter		13:01	0.1	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:30	0.9	15.4	3.6	0.0	0				
5173 / 1 / A / Office area without filter		14:30	0.9	15.2	4.3	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.2	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:23	0.4	9.4	7.9	0.0	0				
5173 / 1 / B / Firing Range without filter		14:23	0.4	9.1	7.5	0.0	0				
5173 / 1 / C / Storage area ambient air, with filter		12:59	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area ambient air, without filter		12:59	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	2/21/2013	14:38	109.2	1.9	3.3	0.5	10	20s	trace		
5173 / 1 / C / Storage area without filter		14:38	109.2	3.0	3.0	0.7	13				
5173 / 1 / A / Office area ambient air with filter		13:07	0.0	22.3	0.0	0.0	0				
5173 / 1 / A / Office area ambient air without filter		13:07	0.0	22.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		0.9	16.0	3.4	0.0	0	0				
5173 / 1 / A / Office area without filter		0.9	16.0	4.0	0.0	0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.1	22.3	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.1	22.3	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / C / Storage area ambient air, with filter		13:12	0.1	22.2	0.0	0.0	0				
5173 / 1 / C / Storage area ambient air, without filter	2/28/2013	13:12	0.1	22.3	0.1	0.0	0				
5173 / 1 / C / Storage area with filter		90.5	1.8	3.0	0.7	13	0				
5173 / 1 / C / Storage area without filter		90.5	2.0	2.9	0.9	18	0				
5173 / 1 / A / Office area ambient air with filter		13:03	0.0	21.1	0.1	0.0	0	30s - 40s	~1 inch		
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	21.1	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:31	0.6	14.7	4.0	0.0	0				
5173 / 1 / A / Office area without filter		14:31	0.6	14.7	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:21	0.0	21.3	0.0	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	3/7/2013	13:21	0.0	21.3	0.0	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / C / Storage area ambient air, with filter		13:15	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area ambient air, without filter		13:15	0.0	21.2	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:36	63.0	2.3	3.2	0.6	13				
5173 / 1 / C / Storage area without filter		14:36	63.0	2.4	3.1	0.8	16				
5173 / 1 / A / Office area ambient air with filter		14:00	0.4	21.2	0.1	0.0	0	30s	None		
5173 / 1 / A / Office area ambient air without filter		14:00	0.4	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:13	0.0	16.4	2.4	0.0	0				
5173 / 1 / A / Office area without filter		14:13	0.0	15.2	4.4	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:50	0.4	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter	3/7/2013	13:50	0.4	21.6	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		14:17	0.0	9.1	7.1	0.0	0				
5173 / 1 / B / Firing Range without filter		14:17	0.0	6.9	9.8	0.0	0				
5173 / 1 / C / Storage area ambient air, with filter		13:40	0.3	21.5	0.3	0.0	0				
5173 / 1 / C / Storage area ambient air, without filter		13:40	0.3	21.5	0.1	0.0	0				
5173 / 1 / C / Storage area with filter	3/7/2013	14:21	47.0	5.1	5.0	0.4	8				
5173 / 1 / C / Storage area without filter		14:21	47.0	3.1	3.1	0.8	15				

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	3/14/2013	13:04	0.0	21.1	0.1	0.0	20s - 40s	None	
5173 / 1 / A / Office area ambient air without filter		13:04	0.0	21.2	0.1	0.0			
5173 / 1 / A / Office area with filter		14:36	0.0	15.2	4.1	0.0			
5173 / 1 / A / Office area without filter		14:36	0.0	15.2	4.6	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:33	0.0	21.8	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:33	0.0	21.7	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:30	0.1	9.4	9.1	0.0			
5173 / 1 / B / Firing Range without filter		14:30	0.1	9.6	8.8	0.0			
5173 / 1 / Storage area ambient air, with filter		13:18	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:18	0.0	21.4	0.0	0.0			
5173 / 1 / C / Storage area with filter	3/14/2013	14:53	80.1	2.3	3.0	0.4	20s - 40s	None	
5173 / 1 / C / Storage area without filter		14:53	80.1	2.4	3.3	0.6			
5173 / 1 / A / Office area ambient air with filter	3/21/2013	13:40	0.0	21.2	0.1	0.0	20s - 30s	Trace	
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	21.3	0.1	0.0			
5173 / 1 / A / Office area with filter		14:04	0.0	15.1	4.8	0.0			
5173 / 1 / A / Office area without filter		14:04	0.0	15.1	4.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	21.7	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	21.8	0.0	0.0			
5173 / 1 / B / Firing Range with filter		13:57	0.0	6.7	9.5	0.0			
5173 / 1 / B / Firing Range without filter		13:57	0.0	6.8	9.8	0.0			
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.8	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.8	0.0	0.0			
5173 / 1 / C / Storage area with filter	3/21/2013	14:11	85.5	4.7	3.6	0.5	20s - 30s	None	
5173 / 1 / C / Storage area without filter		14:11	85.5	2.5	3.3	0.8			
5173 / 1 / A / Office area ambient air with filter	3/28/2013	12:41	0.0	21.3	0.0	0.0	30s - 40s	None	
5173 / 1 / A / Office area ambient air without filter		12:41	0.0	21.3	0.0	0.0			
5173 / 1 / A / Office area with filter		13:21	0.0	15.4	5.4	0.0			
5173 / 1 / A / Office area without filter		13:21	0.0	15.5	4.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.0	21.3	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.0	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		13:16	0.0	7.3	9.1	0.0			
5173 / 1 / B / Firing Range without filter		13:16	0.0	7.2	9.8	0.0			
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter	3/28/2013	13:27	109.0	3.1	3.4	0.6	30s - 40s	None	
5173 / 1 / C / Storage area without filter		13:27	109.0	3.3	3.2	0.8			
5173 / 1 / A / Office area ambient air with filter	4/4/2013	13:27	0.0	21.3	0.0	0.0	30s - 50s	None	
5173 / 1 / A / Office area ambient air without filter		13:27	0.0	21.3	0.0	0.0			
5173 / 1 / A / Office area with filter		14:31	0.4	16.1	3.3	0.0			
5173 / 1 / A / Office area without filter		14:31	0.4	15.9	3.8	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:32	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:32	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation							
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	21.2	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	21.2	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:38	87.2	11.7	1.8	0.4			
5173 / 1 / C / Storage area without filter		14:38	87.2	13.3	1.6	0.4			
5173 / 1 / A / Office area ambient air with filter	4/9/2013	13:23	0.0	20.4	0.0	0.0	50s - 80s	None	
5173 / 1 / A / Office area ambient air without filter		13:23	0.0	20.5	0.0	0.0			
5173 / 1 / A / Office area with filter		14:19	1.1	15.5	3.8	0.0			
5173 / 1 / A / Office area without filter		14:19	1.1	15.6	4.2	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.6	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.6	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:26	1.3	6.5	9.5	0.0			
5173 / 1 / B / Firing Range without filter		14:26	1.3	10.0	6.6	0.0			
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	20.6	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	20.6	0.0	0.0			
5173 / 1 / C / Storage area with filter	4/9/2013	14:31	102.1	3.5	3.8	0.5	50s - 80s	None	
5173 / 1 / C / Storage area without filter		14:31	102.1	3.7	3.6	0.7			
5173 / 1 / A / Office area ambient air with filter	4/18/2013	12:30	0.7	20.6	0.0	0.0	60s - 80s	None	
5173 / 1 / A / Office area ambient air without filter		12:30	0.7	20.6	0.0	0.0			
5173 / 1 / A / Office area with filter		14:15	1.1	15.2	4.3	0.0			
5173 / 1 / A / Office area without filter		14:15	1.1	15.2	4.5	0.0			
5173 / 1 / B / Firing Range ambient air with filter		12:37	0.0	20.4	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		12:37	0.0	20.4	0.0	0.0			
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation							
5173 / 1 / Storage area ambient air, with filter		12:35	0.1	20.4	0.2	0.0			
5173 / 1 / Storage area ambient air, without filter		12:35	0.1	20.4	0.1	0.0			
5173 / 1 / C / Storage area with filter		14:21	134.9	1.6	5.2	0.6			
5173 / 1 / C / Storage area without filter		14:21	134.9	1.7	5.3	0.9			

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	4/23/2013	14:09	0.0	21.4	0.0	0.0	50s - 60s	None				
5173 / 1 / A / Office area ambient air without filter		14:09	0.0	21.4	0.1	0.0						
5173 / 1 / A / Office area with filter		14:55	0.3	16.1	3.0	0.0						
5173 / 1 / A / Office area without filter		14:55	0.3	15.9	4.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:52	0.0	20.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:52	0.0	20.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:59	0.2	6.9	10.4	0.0						
5173 / 1 / B / Firing Range without filter		14:59	0.2	6.9	10.8	0.0						
5173 / 1 / Storage area ambient air, with filter		14:00	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:00	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:04	77.6	3.5	4.1	0.5						
5173 / 1 / C / Storage area without filter		15:04	77.6	3.5	4.6	0.8						
5173 / 1 / A / Office area ambient air with filter	4/30/2013	13:39	0.0	21.3	0.0	0.0	40s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:39	0.0	21.3	0.0	0.0						
5173 / 1 / A / Office area with filter		14:58	0.0	16.7	3.1	0.0						
5173 / 1 / A / Office area without filter		14:58	0.0	16.6	3.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:16	0.0	20.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:16	0.0	20.2	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:02	0.5	7.1	9.6	0.0						
5173 / 1 / B / Firing Range without filter		15:02	0.5	6.8	10.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:21	0.0	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:21	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:06	60.1	2.5	5.8	0.5						
5173 / 1 / C / Storage area without filter		15:06	60.1	2.6	4.9	0.8						
5173 / 1 / A / Office area ambient air with filter	5/9/2013	13:35	0.0	20.6	0.0	0.0	50s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	20.6	20.7	0.0						
5173 / 1 / A / Office area with filter		14:49	0.0	17.5	1.8	0.0						
5173 / 1 / A / Office area without filter		14:49	0.0	17.3	2.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:19	0.0	19.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:19	0.0	19.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:51	0.4	7.0	10.3	0.0						
5173 / 1 / B / Firing Range without filter		14:51	0.4	7.1	10.8	0.0						
5173 / 1 / Storage area ambient air, with filter		13:27	0.0	20.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:27	0.0	20.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:55	31.5	2.2	5.8	0.6						
5173 / 1 / C / Storage area without filter		14:55	31.5	2.3	5.5	0.9						
5173 / 1 / A / Office area ambient air with filter	5/16/2013	12:30	0.0	20.7	0.0	0.0	40s - 80s	~1 inch				
5173 / 1 / A / Office area ambient air without filter		12:30	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area with filter		13:48	1.0	18.1	2.7	0.0						
5173 / 1 / A / Office area without filter		13:48	1.0	17.9	3.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:33	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:33	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:31	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:31	0.0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:59	120.3	1.8	6.5	0.8						
5173 / 1 / C / Storage area without filter		13:59	120.3	1.5	6.6	1.1						
5173 / 1 / A / Office area ambient air with filter	5/21/2013	14:06	0.0	20.5	0.0	0.0	40s - 80s	~0.2 inch				
5173 / 1 / A / Office area ambient air without filter		14:06	0.0	20.5	0.0	0.0						
5173 / 1 / A / Office area with filter		15:37	0.0	18.8	1.8	0.0						
5173 / 1 / A / Office area without filter		15:37	0.0	18.7	2.5	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:50	0.0	19.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:50	0.0	19.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:41	0.9	6.7	12.1	0.0						
5173 / 1 / B / Firing Range without filter		15:41	0.9	6.8	12.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	20.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	20.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:44	79.5	3.1	7.0	0.6						
5173 / 1 / C / Storage area without filter		15:44	79.5	3.1	6.6	1.0						
5173 / 1 / A / Office area ambient air with filter	5/30/2013	12:20	0.0	20.7	0.0	0.0	50s - 80s	~1.3 inch				
5173 / 1 / A / Office area ambient air without filter		12:20	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		13:48	1.7	18.6	2.0	0.0						
5173 / 1 / A / Office area without filter		13:48	1.7	18.4	2.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:34	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:34	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:36	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:36	0.0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:56	137.2	1.5	7.2	0.8						
5173 / 1 / C / Storage area without filter		13:56	137.2	1.6	7.4	1.2						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	6/6/2013	13:51	0.1	20.9	0.0	0.0	60s	0.25 inch				
5173 / 1 / A / Office area ambient air without filter		13:51	0.1	20.9	0.1	0.0						
5173 / 1 / A / Office area with filter		15:28	1.8	19.2	2.0	0.0						
5173 / 1 / A / Office area without filter		15:28	1.8	19.0	2.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:56	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:56	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, with filter		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, without filter		13:55	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:55	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area without filter		15:35	126.8	4.3	6.5	0.8	16					
5173 / 1 / C / Storage area without filter		15:35	126.8	4.4	6.8	1.1	23					
5173 / 1 / A / Office area ambient air with filter	6/13/2013	15:25	0.0	20.8	0.0	0.0	60s - 80s	1.55 inches				
5173 / 1 / A / Office area ambient air without filter		15:25	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		--	0.0	18.6	2.5	0.0						
5173 / 1 / A / Office area without filter		--	0.0	19.9	0.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		15:00	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		15:00	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		--	0.7	6.6	12.1	0.0						
5173 / 1 / B / Firing Range without filter		--	0.7	6.6	12.7	0.0						
5173 / 1 / Storage area ambient air, with filter		15:13	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:13	0.0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		--	86.4	2.0	7.5	1.0	20					
5173 / 1 / C / Storage area without filter		--	86.4	1.9	7.6	1.4	25					
5173 / 1 / A / Office area ambient air with filter	6/20/2013	--	0.0	21.0	0.0	0.0	50s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		--	0.9	19.4	0.7	0.0						
5173 / 1 / A / Office area without filter		--	0.9	19.2	1.7	0.0						
5173 / 1 / B / Firing Range ambient air with filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		--	2.3	6.4	11.8	0.0						
5173 / 1 / B / Firing Range without filter		--	2.3	6.5	12.5	0.0						
5173 / 1 / Storage area ambient air, with filter		--	0.0	20.9	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		--	0.0	20.9	0.1	0.0						
5173 / 1 / C / Storage area with filter		--	235.1	2.5	7.6	1.0	21					
5173 / 1 / C / Storage area without filter		--	235.1	2.4	7.4	1.8	37					
5173 / 1 / A / Office area ambient air with filter	6/27/2013	13:12	0.0	21.6	0.0	0.0	70s - 80s	Trace				
5173 / 1 / A / Office area ambient air without filter		13:12	21.5	0.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:23	0.2	19.8	0.7	0.0						
5173 / 1 / A / Office area without filter		14:23	0.2	19.6	1.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:02	0.0	21.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:02	0.0	21.5	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:18	0.0	8.6	11.2	0.0						
5173 / 1 / B / Firing Range without filter		14:18	0.0	8.3	11.4	0.0						
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:30	223.0	3.1	5.7	1.3	26					
5173 / 1 / C / Storage area without filter		14:30	223.0	3.0	7.6	1.6	32					
5173 / 1 / A / Office area ambient air with filter	7/3/2013	12:51	0.0	20.7	0.0	0.0	60s - 80s	Trace				
5173 / 1 / A / Office area ambient air without filter		12:51	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		13:09	0.0	19.0	1.8	0.0						
5173 / 1 / A / Office area without filter		13:09	0.0	19.0	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:47	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:47	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range with filter		13:05	5.0	7.7	10.9	0.0						
5173 / 1 / B / Firing Range without filter		13:05	5.0	7.7	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:49	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:49	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:25	217	3.3	6.5	1.2	25					
5173 / 1 / C / Storage area without filter		13:25	217	3.0	7.4	1.6	32					
5173 / 1 / A / Office area ambient air with filter	7/11/2013	13:34	0.0	20.7	0.0	0.0	60s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		15:20	2.4	19.3	1.7	0.0						
5173 / 1 / A / Office area without filter		15:20	2.4	19.2	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:32	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:32	0.0	20.8	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:25	102.6	1.7	7.8	1.2	24					
5173 / 1 / C / Storage area without filter		15:25	102.6	1.9	8.0	1.8	35					

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	7/18/2013	12:34	0.0	20.7	0.0	0.0	70s - 90s	None				
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		15:16	1.9	19.7	1.5	0.0						
5173 / 1 / A / Office area without filter		15:16	1.9	19.8	1.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:30	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:30	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:09	5.0	8.0	11.0	0.0						
5173 / 1 / B / Firing Range without filter		15:09	5.0	7.7	11.9	0.0						
5173 / 1 / Storage area ambient air, with filter		12:32	0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:32	0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	7/18/2013	15:45	126.3	2.0	8.0	1.3 25		None				
5173 / 1 / C / Storage area without filter		15:45	126.3	2.9	8.0	1.9 37						
5173 / 1 / A / Office area ambient air with filter	7/25/2013	13:18	0.0	20.9	0.0	0.0	50s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:18	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:46	2.4	19.6	1.6	0.0						
5173 / 1 / A / Office area without filter		14:46	2.4	19.6	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	20.9	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:16	0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:16	0	21.0	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:51	113.6	2.7	7.4	1.5 29						
5173 / 1 / C / Storage area without filter		14:51	113.6	2.8	7.7	1.9 38						
5173 / 1 / A / Office area ambient air with filter	8/1/2013	13:34	0.0	20.8	0.1	0.0	60s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		14:41	1.0	18.9	2.5	0.0						
5173 / 1 / A / Office area without filter		14:41	1.0	19.0	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:31	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:31	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:35	0.9	7.4	11.3	0.0						
5173 / 1 / B / Firing Range without filter		14:35	0.9	7.5	11.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:32	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:32	0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/1/2013	14:46	173.9	2.1	6.7	1.5 29		None				
5173 / 1 / C / Storage area without filter		14:46	173.9	2.5	7.4	2.1 41						
5173 / 1 / A / Office area ambient air with filter	8/6/2013	13:08	0.0	20.6	0.0	0.0	60s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:08	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		14:15	1.5	18.7	2.0	0.0						
5173 / 1 / A / Office area without filter		14:15	1.5	18.6	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:04	0.0	20.6	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:04	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:06	0	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:06	0	20.6	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:21	151.3	2.6	7.0	1.5 30						
5173 / 1 / C / Storage area without filter		14:21	151.3	3.0	7.0	2.2 44						
5173 / 1 / A / Office area ambient air with filter	8/15/2013	12:52	0.0	20.8	0.0	0.0	40s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		12:52	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		13:51	0.3	19.3	2.2	0.0						
5173 / 1 / A / Office area without filter		13:51	0.3	19.2	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.8	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:45	1.8	6.4	11.4	0.0						
5173 / 1 / B / Firing Range without filter		13:45	1.8	6.6	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:54	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:54	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/15/2013	13:57	85.8	2.3	6.6	1.5 30		None				
5173 / 1 / C / Storage area without filter		13:57	85.8	2.8	6.7	2.0 40						
5173 / 1 / A / Office area ambient air with filter	8/22/2013	13:43	0.0	20.4	0.0	0.0	60s - 80s	Trace (0.06 in.)				
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.4	0.0	0.0						
5173 / 1 / A / Office area with filter		14:53	0.0	18.9	1.4	0.0						
5173 / 1 / A / Office area without filter		14:53	0.0	18.9	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	20.4	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.4	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:00	91.2	1.6	7.0	1.4 28						
5173 / 1 / C / Storage area without filter		15:00	91.2	1.8	7.0	2.2 45						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	8/27/2013	13:28	0.0	20.5	0.0	0.0	70s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.5	0.0	0.0						
5173 / 1 / A / Office area with filter		14:30	1.9	19.2	1.6	0.0						
5173 / 1 / A / Office area without filter		14:30	1.9	19.1	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:25	0.0	20.5	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:25	0.0	20.5	0.0	0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:27	0.1	20.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:27	0.1	20.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:35	91.4	3.1	6.4	1.5						
5173 / 1 / C / Storage area without filter		14:35	91.4	2.0	7.0	2.6						
5173 / 1 / A / Office area ambient air with filter	9/5/2013	15:09	-	21.0	0.0	0.0	50s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		15:09	-	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		15:32	1.0	19.2	1.1	0.0						
5173 / 1 / A / Office area without filter		15:32	1.0	19.1	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		15:00	-	20.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		15:00	-	20.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:40	1.5	6.4	11.2	0.0						
5173 / 1 / B / Firing Range without filter		15:40	1.5	6.6	11.6	0.0						
5173 / 1 / Storage area ambient air, with filter		15:16	-	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:16	0	2.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	9/12/2013	15:46	85	2.3	6.9	1.6	60s-80s	0.29 inches				
5173 / 1 / C / Storage area without filter		15:46	85	2.3	6.8	2.2						
5173 / 1 / A / Office area ambient air with filter		14:42	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		14:42	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		17:35	0.3	20.0	0.7	0.0						
5173 / 1 / A / Office area without filter		17:35	0.3	19.9	1.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:55	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:55	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range with filter		17:40	0.0	6.8	11.4	0.0						
5173 / 1 / B / Firing Range without filter		17:40	0.0	6.8	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter	9/20/2013	15:04	0	20.8	0.0	0.0	60s - 80s	0.6 inches	1009 - 1013			
5173 / 1 / Storage area ambient air, without filter		15:04	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		17:43	83.4	2.4	7.0	1.7						
5173 / 1 / C / Storage area without filter		17:43	83.4	2.4	6.9	2.3						
5173 / 1 / A / Office area ambient air with filter		13:28	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		14:20	0.4	18.7	1.0	0.0						
5173 / 1 / A / Office area without filter		14:20	0.4	18.6	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter	9/24/2013	14:24	1.2	6.5	10.6	0.0	40s - 70s	None	1016 - 1018			
5173 / 1 / B / Firing Range without filter		14:24	1.2	6.5	10.9	0.0						
5173 / 1 / Storage area ambient air, with filter		13:44	0.2	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:44	0.2	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:29	88.9	2.0	6.3	1.4						
5173 / 1 / C / Storage area without filter		14:29	88.9	2.1	6.1	1.9						
5173 / 1 / A / Office area ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:44	0.3	18.1	1.4	0.0						
5173 / 1 / A / Office area without filter		14:44	0.3	18.0	1.5	0.0						
5173 / 1 / B / Firing Range ambient air with filter	10/3/2013	13:40	0.0	20.8	0.1	0.0	60s - 70s	0.27 inches	1015 - 1022			
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:38	1.2	6.7	10.0	0.0						
5173 / 1 / B / Firing Range without filter		14:38	1.2	6.7	10.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.8	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:49	113.7	2.0	5.7	1.6						
5173 / 1 / C / Storage area without filter		14:49	113.7	2.0	5.9	2.1						
5173 / 1 / A / Office area ambient air with filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter	10/3/2013	13:39	0.0	17.9	2.5	0.0	60s - 70s	0.27 inches	1015 - 1022			
5173 / 1 / A / Office area without filter		13:39	0.0	17.9	1.6	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:18	0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:18	0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:41	121.1	1.7	5.2	1.5						
5173 / 1 / C / Storage area without filter		13:41	121.1	1.8	5.9	2.0						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	10/10/2013	13:26	0.0	20.8	0.0	0.0	40s - 70s	None	1020 - 1022			
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		13:56	0.6	16.2	1.5	0.0						
5173 / 1 / A / Office area without filter		13:56	0.6	16.2	1.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:01	1.3	6.0	9.7	0.0						
5173 / 1 / B / Firing Range without filter		14:01	1.3	5.8	10.4	0.0						
5173 / 1 / Storage area ambient air, with filter		13:13	0.05	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:13	0.05	20.6	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:12	91.55	2.4	5.6	1.4	40s - 70s	None	1020 - 1022			
5173 / 1 / C / Storage area without filter		14:12	91.55	1.8	5.2	1.9						
5173 / 1 / A / Office area ambient air with filter	10/17/2013	13:14	0.0	20.7	0.1	0.0	40s - 50s	0.1 inches	1011 - 1014			
5173 / 1 / A / Office area ambient air without filter		13:14	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area with filter		14:53	0.5	16.4	2.5	0.0						
5173 / 1 / A / Office area without filter		14:53	0.5	16.3	2.2	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:20	0	20.8	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:20	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:58	138.6	2.4	4.9	1.4	40s - 50s	0.1 inches	1011 - 1014			
5173 / 1 / C / Storage area without filter		14:58	138.6	2.2	5.2	1.9						
5173 / 1 / A / Office area ambient air with filter	10/24/2013	12:26	0.0	21.0	0.1	0.0	30s - 40s	Trace (0.02 inches)	1015 - 1025			
5173 / 1 / A / Office area ambient air without filter		12:26	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		13:50	3.6	16.2	1.3	0.0						
5173 / 1 / A / Office area without filter		13:50	3.6	16.0	2.6	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:43	0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:43	0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:54	223	4.3	2.5	1.0	30s - 40s	Trace (0.02 inches)	1015 - 1025			
5173 / 1 / C / Storage area without filter		13:54	223	4.9	4.2	1.3						
5173 / 1 / A / Office area ambient air with filter	10/31/2013	13:36	0.0	21.1	0.1	0.0	60s	1.25 inches	1000 - 1010			
5173 / 1 / A / Office area ambient air without filter		13:36	0.0	21.1	0.1	0.0						
5173 / 1 / A / Office area with filter		15:17	1.5	16.6	3.0	0.0						
5173 / 1 / A / Office area without filter		15:17	1.5	16.8	2.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:13	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:13	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:21	1.9	10.3	6.6	0.0						
5173 / 1 / B / Firing Range without filter		15:21	1.9	10.3	7.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:26	0.3	21.1	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:26	0.3	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:26	103.3	7.4	3.7	0.7	60s	1.25 inches	1000 - 1010			
5173 / 1 / C / Storage area without filter		15:26	103.3	7.4	3.2	1.0						
5173 / 1 / A / Office area ambient air with filter	11/7/2013	12:48	0.0	20.9	0.1	0.0	40s	Trace (0.04 inches)	1020 - 1025			
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area with filter		14:04	1.5	15.3	3.4	0.0						
5173 / 1 / A / Office area without filter		14:04	1.5	15.2	3.4	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:51	0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:51	0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:09	112.3	3.0	3.7	1.0	40s	Trace (0.04 inches)	1020 - 1025			
5173 / 1 / C / Storage area without filter		14:09	112.3	3.0	4.2	1.3						
5173 / 1 / A / Office area ambient air with filter	11/12/2013	12:48	0.0	21.1	0.0	0.0	20s - 30s	Trace (0.05 inches)	1030 - 1036			
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		13:45	1.2	15.3	3.3	0.0						
5173 / 1 / A / Office area without filter		13:45	1.2	15.2	3.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:52	105.9	3.1	3.4	1.0	20s - 30s	Trace (0.05 inches)	1030 - 1036			
5173 / 1 / C / Storage area without filter		13:52	105.9	2.9	3.9	1.3						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	11/20/2013	14:31	0.0	21.2	0.0	0.0	20s - 40s	None	1023 - 1026
5173 / 1 / A / Office area ambient air without filter		14:31	0.0	21.2	0.0	0.0			
5173 / 1 / A / Office area with filter		14:45	0.0	15.5	3.0	0.0			
5173 / 1 / A / Office area without filter		14:45	0.0	15.2	3.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:42	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:42	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:47	0.0	6.7	8.1	0.0			
5173 / 1 / B / Firing Range without filter		14:47	0.0	6.4	9.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:35	0.0	21.1	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		14:35	0.0	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter	11/26/2013	14:49	133.9	3.2	4.3	0.9	30s	Trace (0.01 inches)	1013 - 1019
5173 / 1 / C / Storage area without filter		14:49	133.9	2.8	3.7	1.3			
5173 / 1 / A / Office area ambient air with filter		14:10	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area ambient air without filter		14:10	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:45	0.0	14.6	4.7	0.0			
5173 / 1 / A / Office area without filter		14:45	0.0	14.8	3.8	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:15	0.0	20.9	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:15	0.0	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:51	0.0	6.5	8.8	0.0			
5173 / 1 / B / Firing Range without filter		14:51	0.0	6.6	9.1	0.0			
5173 / 1 / Storage area ambient air, with filter	12/5/2013	13:56	0.0	21.1	0.0	0.0	30s - 40s	0.07 inches	1013 - 1016
5173 / 1 / Storage area ambient air, without filter		13:56	0.0	21.2	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:57	90.7	2.3	4.2	1.0			
5173 / 1 / C / Storage area without filter		14:57	90.7	2.2	3.5	1.3			
5173 / 1 / A / Office area ambient air with filter		13:33	0.1	21.8	0.0	0.0			
5173 / 1 / A / Office area ambient air without filter		13:33	0.1	21.7	0.1	0.0			
5173 / 1 / A / Office area with filter		15:07	1.2	14.8	3.6	0.0			
5173 / 1 / A / Office area without filter		15:07	1.2	14.8	4.0	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:14	0.0	21.4	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:14	0.0	21.5	0.1	0.0			
5173 / 1 / B / Firing Range with filter	12/12/2013	14:59	1.9	6.6	8.9	0.0	15 - 20	None	1030 - 1036
5173 / 1 / B / Firing Range without filter		14:59	1.9	6.6	9.4	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.3	21.5	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.3	21.7	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:11	189.7	2.8	3.5	0.9			
5173 / 1 / C / Storage area without filter		15:11	189.7	2.7	3.5	1.3			
5173 / 1 / A / Office area ambient air with filter		13:59	0.0	21.0	0.1	0.0			
5173 / 1 / A / Office area ambient air without filter		13:59	0.0	21.1	0.1	0.0			
5173 / 1 / A / Office area with filter		15:52	0.6	18.8	2.5	0.0			
5173 / 1 / A / Office area without filter		15:52	0.6	19.2	1.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter	12/19/2013	14:18	0.0	21.2	0.1	0.0	30s - 40s	None	1016 - 1018
5173 / 1 / B / Firing Range ambient air without filter		14:18	0.0	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:39	0.0	21.6	0.3	0.0			
5173 / 1 / B / Firing Range without filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / Storage area ambient air, with filter		14:33	0.0	21.5	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		14:33	0.0	21.5	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:57	96.2	8.8	2.9	0.3			
5173 / 1 / C / Storage area without filter		15:57	96.2	8.7	2.7	0.5			
5173 / 1 / A / Office area ambient air with filter		14:36	0.0	21.6	0.0	0.0			
5173 / 1 / A / Office area ambient air without filter		14:36	0.0	21.5	0.1	0.0			
5173 / 1 / A / Office area with filter	12/19/2013	15:00	0.6	20.8	0.5	0.0	30s - 40s	None	1016 - 1018
5173 / 1 / A / Office area without filter		15:00	0.6	20.7	0.6	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / B / Firing Range with filter		15:05	0.0	9.0	7.8	0.0			
5173 / 1 / B / Firing Range without filter		15:05	0.0	9.1	8.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:23	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		14:23	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:08	116.3	11.8	1.3	0.1			
5173 / 1 / C / Storage area without filter		15:08	116.3	11.7	1.8	0.2			

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	12/23/2013	12:46	0.0	21.5	0.0	0.0	20s - 30s	Trace (0.02 inches)	1026 - 1029			
5173 / 1 / A / Office area ambient air without filter		12:46	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		13:04	0.0	16.4	4.0	0.0						
5173 / 1 / A / Office area without filter		13:04	0.0	16.5	2.7	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:41	0.0	21.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:41	0.0	21.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:10	0.4	11.0	7.0	0.0						
5173 / 1 / B / Firing Range without filter		13:10	0.4	10.6	8.3	0.0						
5173 / 1 / Storage area ambient air, with filter		12:43	0.0	21.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:43	0.0	21.6	0.0	0.0						
5173 / 1 / C / Storage area with filter	1/2/2014	13:15	126.8	13.2	2.9	0.2	20 - 30	5.46 inches	1012 - 1026			
5173 / 1 / C / Storage area without filter		13:15	126.8	13.4	1.8	0.2						
5173 / 1 / A / Office area ambient air with filter		15:48	0.0	22.0	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		15:48	0.0	22.0	0.1	0.0						
5173 / 1 / A / Office area with filter		16:25	0.8	21.2	0.2	0.0						
5173 / 1 / A / Office area without filter		16:25	0.8	21.1	0.4	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		15:42	0.0	21.5	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:42	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		16:28	86.4	15.0	0.5	0.0						
5173 / 1 / C / Storage area without filter		16:28	86.4	14.7	1.4	0.1						
5173 / 1 / A / Office area ambient air with filter	1/9/2014	13:35	0.0	21.2	0.0	0.0	20s - 30s	1.55 inches	1026 - 1035			
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.3	0.1	0.0						
5173 / 1 / A / Office area with filter		14:56	3.3	20.7	1.8	0.0						
5173 / 1 / A / Office area without filter		14:56	3.3	21.0	0.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:31	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:31	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		13:33	0.0	21.1	0.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:33	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:00	81.4	10.2	0.8	0.1						
5173 / 1 / C / Storage area with filter	1/16/2014	15:00	81.4	9.8	1.4	0.2	20s - 30s	0.97 inches	1008 - 1019			
5173 / 1 / C / Storage area without filter		Inaccessible due to Firing Range operation										
5173 / 1 / A / Office area ambient air with filter		12:34	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		13:13	2.1	21.0	0.4	0.0						
5173 / 1 / A / Office area without filter		13:13	2.1	20.9	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:36	0.0	20.9	0	0						
5173 / 1 / B / Firing Range ambient air without filter		12:36	0.0	20.9	0	0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		12:37	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, with filter	1/23/2014	12:37	0.0	20.9	0.1	0.0	5 - 15	Trace	1019 - 1038			
5173 / 1 / Storage area ambient air, without filter		12:37	0.0	20.9	0.1	0.0						
5173 / 1 / C / Storage area with filter		13:20	96.1	14.7	1.0	0.1						
5173 / 1 / C / Storage area without filter		13:20	96.1	14.6	1.5	0.2						
5173 / 1 / A / Office area ambient air with filter		12:13	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:13	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		13:20	2.6	21.2	0.8	0.0						
5173 / 1 / A / Office area without filter		13:20	2.6	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:10	0.0	21.4	0.1	0						
5173 / 1 / B / Firing Range ambient air without filter		12:10	0.0	21.4	0	0						
5173 / 1 / B / Firing Range with filter	1/28/2014	13:13	3.4	18.8	5.3	0.0	5	None	1030 - 1033			
5173 / 1 / B / Firing Range without filter		13:13	3.4	18.7	4.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:12	0.0	21.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		12:12	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:27	72.8	15.8	0.5	0.1						
5173 / 1 / C / Storage area without filter		13:27	72.8	15.7	1.2	0.2						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area with filter		14:35	0.0	21.1	0.3	0.0						
5173 / 1 / A / Office area without filter		14:35	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.1	21.3	0	0						
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.1	21.4	0	0						
5173 / 1 / B / Firing Range with filter		14:44	0.0	18.8	3.5	0.0						
5173 / 1 / B / Firing Range without filter		14:44	0.0	18.8	4.2	0.0						
5173 / 1 / Storage area ambient air, with filter		13:19	0.0	21.4	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:19	0.0	21.5	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:50	60.9	15.5	0.7	0.1						
5173 / 1 / C / Storage area without filter		14:50	60.9	15.0	1.2	0.2						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	2/6/2014	13:10	0.0	21.1	0.1	0.0	15 - 25	0.3 inches	1029 - 1032			
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:00	2.3	21.2	0.1	0.0						
5173 / 1 / A / Office area without filter		14:00	2.3	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:12	0.0	20.9	0.1	0						
5173 / 1 / B / Firing Range ambient air without filter		13:12	0.0	20.9	0	0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:14	0.0	21.0	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:14	0.0	21.1	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:10	105.9	16.9	1.0	0.1						
5173 / 1 / C / Storage area without filter		14:10	105.9	16.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter	2/13/2014	13:48	0.0	21.2	0.0	0.0	25 - 35	None	1003 - 1018			
5173 / 1 / A / Office area ambient air without filter		13:48	0.0	21.3	0.1	0.0						
5173 / 1 / A / Office area with filter		15:30	1.8	20.9	2.4	0.0						
5173 / 1 / A / Office area without filter		15:30	1.8	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:25	4.1	19.2	2.5	0.0						
5173 / 1 / B / Firing Range without filter		15:25	4.1	19.1	3.1	0.0						
5173 / 1 / Storage area ambient air, with filter		9:43	0.0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		9:43	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		9:55	117.4	15.9	0.8	0.1						
5173 / 1 / C / Storage area without filter		9:55	117.4	15.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter	2/20/2014	13:43	0.0	20.8	0.0	0.0	35 - 40	None	1010 - 1014			
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		14:25	0.4	20.5	0.8	0.0						
5173 / 1 / A / Office area without filter		14:25	0.4	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:44	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:44	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:45	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:45	0.0	20.7	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:32	63.4	16.5	1.0	0.0						
5173 / 1 / C / Storage area without filter		14:32	63.4	16.5	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter	2/27/2014	12:56	0.0	21.2	0.0	0.0	15 - 25	Trace	1008 - 1024			
5173 / 1 / A / Office area ambient air without filter		12:56	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area with filter		13:25	0.9	21.1	0.0	0.0						
5173 / 1 / A / Office area without filter		13:25	0.9	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:54	0.0	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:54	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:52	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:52	0.0	21.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		13:32	64.0	16.5	2.3	0.1						
5173 / 1 / C / Storage area without filter		13:32	64.0	16.6	1.1	0.2						
5173 / 1 / A / Office area ambient air with filter	3/6/2014	13:40	0.0	20.9	0.0	0.0	35 - 45	None	1020 - 1029			
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:40	0.2	20.7	0.3	0.0						
5173 / 1 / A / Office area without filter		14:40	0.2	20.6	0.2	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:50	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:50	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:00	57.1	16.0	1.2	0.1						
5173 / 1 / C / Storage area without filter		15:00	57.1	15.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter	4/2/2014	12:44	0.0	21.4	0.1	0.0	50s	Trace (0.15 inches)	1020			
5173 / 1 / A / Office area ambient air without filter		12:44	0.0	21.4	0.0	0.0						
5173 / 1 / A / Office area with filter		12:44	1.0	21.4	0.1	0.0						
5173 / 1 / A / Office area without filter		12:44	1.0	21.4	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.1	21.4	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.1	21.4	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:40	0.1	21.3	0.2	0.0						
5173 / 1 / Storage area ambient air, without filter		12:40	0.1	21.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		12:40	65.3	16.3	1.2	0.1						
5173 / 1 / C / Storage area without filter		12:40	65.3	16.4	1.0	0.1						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	5/8/2014 [3]	15:05	0.0	20.6	0.0	0.0	75-85	None	1013-1017			
5173 / 1 / A / Office area ambient air without filter		15:05	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		15:55	0.1	20.5	0.0	0.0						
5173 / 1 / A / Office area without filter		15:55	0.1	20.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:50	0.0	19.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:50	0.0	20.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:49	2.0	18.1	1.9	0.0						
5173 / 1 / B / Firing Range without filter		15:49	2.0	18.1	2.1	0.0						
5173 / 1 / C / Storage area ambient air, with filter		14:57	0.0	20.3	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		14:57	0.0	20.3	0.0	0.0						
5173 / 1 / C / Storage area with filter	6/3/2014	15:58	51.1	18.2	0.8	0.0	75-85	Trace	1011-1014			
5173 / 1 / C / Storage area without filter		15:58	51.1	18.2	1.2	0.0						
5173 / 1 / A / Office area ambient air with filter		12:17	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:17	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		12:32	0.3	21.0	0.0	0.0						
5173 / 1 / A / Office area without filter		12:32	0.3	21.1	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		12:43	0.1	21.1	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		12:43	0.1	21.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		12:50	30.9	16.9	2.3	0.0						
5173 / 1 / C / Storage area without filter		12:50	30.9	16.8	2.5	0.1						
5173 / 1 / A / Office area ambient air with filter	7/17/2014	13:32	0.0	20.5	0.0	0.0	70-75	None	1016-1020			
5173 / 1 / A / Office area ambient air without filter		13:32	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		15:49	0.0	20.2	0.1	0.0						
5173 / 1 / A / Office area without filter		15:49	0.0	20.3	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:20	0.2	20.6	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:20	0.2	20.7	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:53	4.0	16.2	3.1	0.0						
5173 / 1 / B / Firing Range without filter		15:53	4.0	16.2	3.3	0.0						
5173 / 1 / C / Storage area ambient air, with filter		13:45	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:45	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/14/2014	16:19	43.2	15.8	2.5	0.0	70-80	None	1014-1017			
5173 / 1 / C / Storage area without filter		16:19	43.2	15.7	2.7	0.0						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		15:13	0.8	20.9	0.0	0.0						
5173 / 1 / A / Office area without filter		15:13	0.8	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.2	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.2	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:08	4.7	16.9	3.2	0.0						
5173 / 1 / B / Firing Range without filter		15:08	4.7	16.9	3.4	0.0						
5173 / 1 / C / Storage area ambient air, with filter	10/9/2014	13:22	0.3	21.0	0.0	0.0	50s	0.3 inches	1017-1021			
5173 / 1 / C / Storage area ambient air, without filter		13:22	0.3	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:18	51.9	16.6	2.8	0.0						
5173 / 1 / C / Storage area without filter		15:18	51.9	16.6	2.9	0.0						
5173 / 1 / A / Office area ambient air with filter		Inaccessible due to Firing Range operation										
5173 / 1 / A / Office area ambient air without filter		0.0	20.7	0.1	0.0	0						
5173 / 1 / A / Office area with filter		0.0	20.7	0.0	0.0	0						
5173 / 1 / A / Office area without filter		13:23	0.0	20.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		0.0	20.6	0.3	0.0	0						
5173 / 1 / B / Firing Range ambient air without filter		0.0	20.7	0.2	0.0	0						
5173 / 1 / B / Firing Range with filter		0.0	20.7	0.1	0.0	0						
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter	11/26/2014	13:29	60.4	18.3	1.5	0.0	30-35	None	1018-1023			
5173 / 1 / C / Storage area ambient air, without filter		13:29	60.4	18.1	1.7	0.0						
5173 / 1 / A / Office area ambient air with filter		13:00	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:00	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		14:05	0.6	21.7	0.0	0.0						
5173 / 1 / A / Office area without filter		14:05	0.6	21.8	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / C / Storage area ambient air, with filter		13:17	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area ambient air, without filter		13:17	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:10	23.2	21.1	0.2	0.0						
5173 / 1 / C / Storage area without filter		14:10	23.2	21.1	0.4	0.0						

Table 1

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump And Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	2/6/2015	14:05	0.0	21.4	0.0	0.0	25-35	None	1022 - 1030			
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.4	0.0	0.0						
5173 / 1 / A / Office area with filter			0.0	21.2	1.8	0.0						
5173 / 1 / A / Office area without filter			0.0	21.1	2.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation / Gas probe damaged per site personnel notification										
5173 / 1 / Storage area ambient air, with filter		14:19	0.1	21.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:19	0.1	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		16:33	11.7	20.5	0.5	0.1						
5173 / 1 / C / Storage area without filter		16:33	11.7	20.6	0.5	0.1						
5173 / 1 / A / Office area ambient air with filter	5/20/2015	14:43	0.0	20.8	0.0	0.0	50-60	None	1016 - 1022			
5173 / 1 / A / Office area ambient air without filter		14:43	0.0	20.9	0.1	0.0						
5173 / 1 / A / Office area with filter		16:35	0.4	20.9	0.4	0.0						
5173 / 1 / A / Office area without filter		16:35	0.4	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:47	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:47	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		16:33	4.7	18.8	1.8	0.0						
5173 / 1 / B / Firing Range without filter		16:33	4.7	18.9	1.7	0.0						
5173 / 1 / Storage area ambient air, with filter		14:02	0.0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:02	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/20/2015	16:54	12.3	18.8	0.8	0.0	65-70	Trace	1009 - 1017			
5173 / 1 / C / Storage area without filter		16:54	12.3	18.7	0.9	0.0						
5173 / 1 / A / Office area ambient air with filter		10:55	0.0	20.1	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		10:55	0.0	20.2	0.0	0.0						
5173 / 1 / A / Office area with filter		14:39	0.0	20.0	0.0	0.0						
5173 / 1 / A / Office area without filter		14:39	0.0	20.2	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		10:36	0.9	20.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		10:36	0.9	20.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:43	4.7	17.8	1.5	0.0						
5173 / 1 / C / Storage area without filter		14:43	4.7	17.7	1.7	0.0						
5173 / 1 / A / Office area ambient air with filter	11/5/2015	14:06	0.0	21.0	0.0	0.0	60-70	Trace	1019 - 1021			
5173 / 1 / A / Office area ambient air without filter		14:06	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:57	0.7	20.8	0.3	0.0						
5173 / 1 / A / Office area without filter		14:57	0.7	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:05	2.8	19.7	0.4	0.0						
5173 / 1 / B / Firing Range without filter		15:05	2.8	19.4	1.3	0.0						
5173 / 1 / Storage area ambient air, with filter		13:48	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:48	0.0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:10	3.7	19.3	0.4	0.0						
5173 / 1 / C / Storage area without filter		15:10	3.7	19.1	0.9	0.0						

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

closure.

^[3] CO₂ readings started at 0.1 ppm.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - OxygenCO₂ - Carbon DioxideCH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	11/9/2012	13:54	--	4.1	10.6	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	5.6	9.1	0.0	0				
GP-2 (16') without filter		--	--	2.0	11.6	0.0	0				
GP-2 (16') with filter		--	--	4.6	10.0	0.0	0				
GP-2 (12') without filter	11/15/2012	15:04	0.0	2.4	10.8	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	0.0	2.3	10.3	0.0				
GP-2 (16') without filter		15:09	0.0	1.0	11.8	0.0	0				
GP-2 (16') with filter		--	--	0.0	0.9	11.4	0.0				
GP-2 (12') without filter	11/20/2012	14:35	0.0	2.2	11.3	0.0	0	50s	Trace		
GP-2 (12') with filter		--	--	0.0	2.1	11.0	0.0				
GP-2 (16') without filter		14:40	0.0	0.9	12.1	0.0	0				
GP-2 (16') with filter		--	--	0.0	0.8	11.9	0.0				
GP-2 (12') without filter	11/29/2012	13:53	0.0	4.3	11.0	0.0	0	40s - 50s	none		
GP-2 (12') with filter		--	--	0.0	4.7	11.2	0.0				
GP-2 (16') without filter		13:58	0.0	2.1	12.1	0.0	0				
GP-2 (16') with filter		13:58	0.0	2.0	11.9	0.0	0				
GP-2 (12') without filter	12/4/2012	16:03	0.0	6.6	9.6	0.0	0	50s	rainy (~0.3 inches)		
GP-2 (12') with filter		--	--	0.0	6.7	8.5	0.0				
GP-2 (16') without filter		16:08	--	6.1	10.3	0.0	0				
GP-2 (16') with filter		--	--	6.4	9.2	0.0	0				
GP-2 (12') without filter	12/13/2012	13:44	0.0	6.6	9.7	0.0	0	40s	none		
GP-2 (12') with filter		--	--	0.0	6.9	9.3	0.1 U				
GP-2 (16') without filter		13:39	0.0	3.7	11.8	0.0	0				
GP-2 (16') with filter		--	--	0.0	4.1	10.2	0.1 U				
GP-2 (12') without filter	12/18/2012	13:30	0.0	8.2	9.2	0.0	0	40s	none		
GP-2 (12') with filter		--	--	0.0	8.1	8.9	0.0				
GP-2 (16') without filter		--	--	0.0	5.8	10.8	0.0				
GP-2 (16') with filter		--	--	0.0	5.7	10.4	0.0				
GP-2 (12') without filter	1/24/2013	15:34	0.0	19.9	2.6	0.0	0.0	20s	none		
GP-2 (12') with filter		15:34	0.0	18.6	2.2	0.0	0.0				
GP-2 (16') without filter		15:40	0.0	15.3	7.7	0.0	0.0				
GP-2 (16') with filter		15:40	0.0	16.9	1.6	0.0	0.0				
GP-2 (12') without filter	1/31/2013	13:50	0.0	17.5	5.0	0.0	0.0	10s - 20s	none		
GP-2 (12') with filter		13:50	0.0	17.1	4.2	0.0	0.0				
GP-2 (16') without filter		13:55	0.0	16.8	5.0	0.0	0.0				
GP-2 (16') with filter		13:55	0.0	17.2	3.4	0.0	0.0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	2/7/2013	15:14	0.0	15.4	5.4	0.0	0.0	20s - 50s	none		
GP-2 (12') with filter		15:14	0.0	16.0	3.5	0.0	0.0				
GP-2 (16') without filter		15:17	0.0	15.0	6.4	0.0	0.0				
GP-2 (16') with filter		15:17	0.0	15.3	4.5	0.0	0.0				
GP-2 (12') without filter	2/12/2013	12:30	0.1	9.2	8.8	0.0	0.0	30s - 40s	none		
GP-2 (12') with filter		12:30	0.1	9.7	8.4	0.0	0.0				
GP-2 (16') without filter		12:45	0.0	7.5	9.1	0.0	0.0				
GP-2 (16') with filter		12:45	0.0	6.9	8.2	0.0	0.0				
GP-2 (12') without filter	2/21/2013	13:45	0.0	8.8	8.5	0.0	0.0	20s	trace		
GP-2 (12') with filter		13:45	0.0	9.1	8.0	0.0	0.0				
GP-2 (16') without filter		13:50	0.0	6.9	7.0	0.0	0.0				
GP-2 (16') with filter		13:50	0.0	7.0	6.7	0.0	0.0				
GP-2 (12') without filter	2/28/2013	12:45	0.0	15.8	4.9	0.0	0.0	30s - 40s	~1 inch		
GP-2 (12') with filter		12:45	0.0	15.8	5.1	0.0	0.0				
GP-2 (16') without filter		12:49	0.0	13.6	6.2	0.0	0.0				
GP-2 (16') with filter		12:49	0.0	13.5	6.2	0.0	0.0				
GP-2	3/7/2013	Inaccessible due to snow cover from road plow activity					30s	None			
GP-2 (12') without filter	3/14/2013	13:45	0.0	16.2	4.3	0.0	0.0	20s - 40s	None		
GP-2 (12') with filter		13:45	0.0	16.1	4.4	0.0	0.0				
GP-2 (16') without filter		13:53	0.0	13.9	6.1	0.0	0.0				
GP-2 (16') with filter		13:53	0.0	13.9	6.2	0.0	0.0				
GP-2 (12') without filter	3/21/2013	12:20	0.0	15.9	3.8	0.0	0.0	20s - 30s	Trace		
GP-2 (12') with filter		12:20	0.0	15.9	3.9	0.0	0.0				
GP-2 (16') without filter		12:26	0.0	14.2	5.7	0.0	0.0				
GP-2 (16') with filter		12:26	0.0	14.1	5.9	0.0	0.0				
GP-2 (12') without filter	3/28/2013	12:10	0.0	14.6	6.1	0.0	0.0	30s - 40s	None		
GP-2 (12') with filter		12:10	0.0	14.4	6.3	0.0	0.0				
GP-2 (16') without filter		12:15	0.0	12.9	7.4	0.0	0.0				
GP-2 (16') with filter		12:15	0.0	12.9	7.5	0.0	0.0				
GP-2 (12') without filter	4/4/2013	14:04	0.0	15.7	5.2	0.0	0.0	30s - 50s	None		
GP-2 (12') with filter		14:04	0.0	15.6	5.1	0.0	0.0				
GP-2 (16') without filter		14:11	0.0	13.8	6.0	0.0	0.0				
GP-2 (16') with filter		14:11	0.0	13.8	6.1	0.0	0.0				
GP-2 (12') without filter	4/9/2013	13:56	0.0	13.9	5.2	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		13:56	0.0	13.8	5.5	0.0	0.0				
GP-2 (16') without filter		14:03	0.0	12.2	5.9	0.0	0.0				
GP-2 (16') with filter		14:03	0.0	12.2	6.0	0.0	0.0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	4/18/2013	13:48	0.0	14.7	6.1	0.0	0.0	60s - 80s	None		
GP-2 (12') with filter		13:48	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') without filter		13:54	0.0	13.2	7.4	0.0	0.0				
GP-2 (16') with filter		13:54	0.0	13.3	7.2	0.0	0.0				
GP-2 (12') without filter	4/23/2013	14:45	0.0	16.3	3.8	0.0	0.0	50s - 60s	None		
GP-2 (12') with filter		14:45	0.0	16.8	0.8	0.0	0.0				
GP-2 (16') without filter		14:48	0.0	15.9	4.2	0.0	0.0				
GP-2 (16') with filter		14:48	0.0	16.3	2.9	0.0	0.0				
GP-2 (12') without filter	4/30/2013	14:45	0.0	16.8	3.4	0.0	0.0	40s - 70s	None		
GP-2 (12') with filter		14:45	0.0	17.0	0.9	0.0	0.0				
GP-2 (16') without filter		14:50	0.0	16.3	3.9	0.0	0.0				
GP-2 (16') with filter		14:50	0.0	16.7	1.6	0.0	0.0				
GP-2 (12') without filter	5/9/2013	14:41	0.0	14.8	3.3	0.0	0.0	50s - 70s	None		
GP-2 (12') with filter		14:41	0.0	14.9	0.9	0.0	0.0				
GP-2 (16') without filter		14:45	0.0	14.1	3.8	0.0	0.0				
GP-2 (16') with filter		14:45	0.0	14.5	1.5	0.0	0.0				
GP-2 (12') without filter	5/16/2013	13:25	0.0	15.3	4.1	0.0	0.0	40s - 80s	~1 inch		
GP-2 (12') with filter		13:25	0.0	15.3	4.0	0.0	0.0				
GP-2 (16') without filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (16') with filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (12') without filter	5/21/2013	15:29	0.0	13.7	3.8	0.0	0.0	40s - 80s	~0.2 inch		
GP-2 (12') with filter		15:29	0.0	13.8	3.2	0.0	0.0				
GP-2 (16') without filter		15:32	0.0	12.7	4.5	0.0	0.0				
GP-2 (16') with filter		15:32	0.0	12.8	3.0	0.0	0.0				
GP-2 (12') without filter	5/30/2013	13:20	0.0	15.8	3.8	0.0	0.0	50s - 80s	~1.3 inch		
GP-2 (12') with filter		13:20	0.0	15.8	3.9	0.0	0.0				
GP-2 (16') without filter		13:25	0.0	13.1	5.1	0.0	0.0				
GP-2 (16') with filter		13:25	0.0	13.0	5.3	0.0	0.0				
GP-2 (12') without filter	6/6/2013	14:50	0.0	16.3	4.6	0.0	0.0	60s	0.25 inch		
GP-2 (12') with filter		14:50	0.0	16.2	4.9	0.0	0.0				
GP-2 (16') without filter		15:00	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') with filter		15:00	0.0	14.7	6.2	0.0	0.0				
GP-2 (12') without filter	6/13/2013	16:05	0.0	8.2	5.4	0.0	0.0	60s - 80s	1.55 inch		
GP-2 (12') with filter		16:05	0.0	7.5	5.4	0.0	0.0				
GP-2 (16') without filter		16:10	--	5.2	6.6	0.0	0.0				
GP-2 (16') with filter		16:10	--	5.1	6.4	0.0	0.0				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	6/20/2013	--	0.0	8.0	6.1	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		--	0.0	8.3	5.9	0.0	0.0				
GP-2 (16') without filter		--	--	5.3	6.5	0.0	0.0				
GP-2 (16') with filter		--	--	5.6	6.0	0.0	0.0				
GP-2 (12') without filter	6/27/2013	14:06	0.6	15.9	1.5	0.0	0.0	70s - 80s	Trace		
GP-2 (12') with filter		14:06	0.6	16.3	0.2	0.0	0.0				
GP-2 (16') without filter		14:11	43.6	3.7	2.6	1.6	30				
GP-2 (16') with filter		14:11	43.6	2.1	3.6	1.0	20				
GP-2 (12') without filter	7/3/2013	13:18	23.5	6.9	4.9	1.4	28	60s - 80s	Trace		
GP-2 (12') with filter		13:18	23.5	7.5	3.4	0.7	13				
GP-2 (16') without filter		13:22	59.6	1.9	7.1	5.8	>100				
GP-2 (16') with filter		13:22	59.6	1.6	6.9	1.8	36				
GP-2 (12') without filter	7/11/2013	14:45	40.4	4.0	6.5	6.5	>100	60s - 70s	None		
GP-2 (12') with filter		14:45	40.4	4.0	4.9	3.4	68				
GP-2 (16') without filter		14:51	55.6	4.6	6.2	11.2	>100				
GP-2 (16') with filter		14:51	55.6	3.9	5.0	2.2	44				
GP-2 (12') without filter	7/18/2013	14:35	20.4	17.7	1.2	0.5	10	70s - 90s	None		
GP-2 (12') with filter		14:35	20.4	17.7	1.0	0.2	5				
GP-2 (16') without filter		14:41	44.3	1.9	7.4	5.1	>100				
GP-2 (16') with filter		14:41	44.3	4.7	1.8	1.8	36				
GP-2 (12') without filter	7/25/2013	14:15	38.7	4.8	6.5	3.8	75	50s - 70s	None		
GP-2 (12') with filter		14:15	38.7	4.7	6.1	3.0	60				
GP-2 (16') without filter		14:20	48.3	4.4	7.9	4.0	80				
GP-2 (16') with filter		14:20	48.3	4.2	8.3	3.3	65				
GP-2 (12') without filter	8/1/2013	14:00	83.5	8.1	5.3	1.4	28	60s - 80s	None		
GP-2 (12') with filter		14:00	83.5	6.2	4.9	1.1	21				
GP-2 (16') without filter		14:05	89.8	4.1	7.3	2.8	55				
GP-2 (16') with filter		14:05	89.8	3.1	7.2	1.8	35				
GP-2 (12') without filter	8/6/2013	14:06	10.5	3.9	7.6	1.3	27	60s - 80s	None		
GP-2 (12') with filter		14:06	10.5	3.7	5.9	1.0	21				
GP-2 (16') without filter		14:10	31.6	4.3	7.4	2.5	51				
GP-2 (16') with filter		14:10	31.6	3.1	6.1	1.7	34				
GP-2 (12') without filter	8/15/2013	13:35	16.6	7.9	3.1	2.0	40	40s - 70s	None		
GP-2 (12') with filter		13:35	16.6	7.7	3.3	1.6	32				
GP-2 (16') without filter		13:40	20.6	1.5	6.2	2.2	44				
GP-2 (16') with filter		13:40	20.6	1.4	7.5	2.0	40				

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/22/2013	14:41	33.9	3.2	8.0	2.3	47	60s - 80s	Trace (0.06 in.)		
GP-2 (12') with filter		14:41	33.9	3.2	8.4	2.0	41				
GP-2 (16') without filter		14:45	55.0	1.8	8.5	4.3	87				
GP-2 (16') with filter		14:45	55.0	1.6	8.3	2.0	41				
GP-2 (12') without filter	8/27/2013	14:21	22.8	2.5	8.4	3.7	74	70s - 80s	None		
GP-2 (12') with filter		14:21	22.8	2.6	8.9	1.9	39				
GP-2 (16') without filter		14:26	39.5	2.3	8.7	7.9	>100				
GP-2 (16') with filter		14:26	39.5	2.2	9.0	6.1	>100				
GP-2 (12') without filter	9/5/2013	-	31.3	2.2	8.7	7.0	>100	50s - 80s	None		
GP-2 (12') with filter		-	31.3	2.3	6.9	3.0	58				
GP-2 (16') without filter		-	39.0	3.1	8.3	8.4	>100				
GP-2 (16') with filter		-	39.0	3.7	6.5	2.8	56				
GP-2	9/12/2013	Inaccessible due to high water/flood conditions						60s - 80s	0.29 inches		
GP-2 (12') without filter	9/20/2013		24.7	2.6	8.7	3.2	65	60s - 80s	0.6 inches	1009 - 1013	
GP-2 (12') with filter			24.7	2.1	8.1	1.8	34				
GP-2 (16') without filter			40.4	1.4	9.6	7.0	>100				
GP-2 (16') with filter			40.4	1.5	8.9	2.1	42				
GP-2 (12') without filter	9/24/2013	14:27	55.7	1.8	9.6	3.6	71	40s - 70s	None	1016 - 1018	
GP-2 (12') with filter		14:27	55.7	1.9	9.2	3.3	67				
GP-2 (16') without filter		14:33	68.4	1.5	10.0	4.3	86				
GP-2 (16') with filter		14:33	68.4	1.6	10.6	3.9	78				
GP-2 (12') without filter	10/3/2013	13:27	0.9	6.8	7.2	1.3	25	60s - 70s	0.27 inches	1015 - 1022	
GP-2 (12') with filter		13:27	0.9	6.9	5.8	1.1	17				
GP-2 (16') without filter		13:35	53.6	3.6	8.9	2.2	44				
GP-2 (16') with filter		13:35	53.6	3.3	7.5	1.4	27				
GP-2 (12') without filter	10/10/2013	13:41	18.6	0.7	10.3	1.9	38	40s - 70s	None	1020 - 1022	
GP-2 (12') with filter		13:41	18.6	0.5	10.2	1.3	27				
GP-2 (16') without filter		13:47	22.6	0.9	10.3	1.9	39				
GP-2 (16') with filter		13:47	22.6	1.7	9.0	1.2	25				
GP-2 (12') without filter	10/17/2013	14:46	22.8	1.2	10.5	1.4	28	40s - 50s	0.1 inches	1011 - 1014	MW-7: 18.56
GP-2 (12') with filter		14:46	22.8	7.5	6.8	0.8	16				MW-8: 18.70
GP-2 (16') without filter		14:50	23.1	1.3	10.6	1.5	29				MW-11: 20.31
GP-2 (16') with filter		14:50	23.1	1.5	10.1	1.2	23				MW-12: 20.39
GP-2 (12') without filter	10/24/2013	13:42	0.0	1.5	10.9	0.0	0	30s - 40s	Trace (0.02 inches)	1015 - 1025	MW-7: 18.69
GP-2 (12') with filter		13:42	0.0	1.6	10.2	0.0	0				MW-8: 18.83
GP-2 (16') without filter		13:47	5.6	4.6	9.6	0.0	0				MW-11: 20.66
GP-2 (16') with filter		13:47	5.6	4.9	8.6	0.0	0				MW-12: 20.44

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	10/31/2013	15:07	0.0	6.3	8.2	0.0	0	60s	1.25 inches	1000 - 1010	MW-7: 18.71
GP-2 (12') with filter		15:07	0.0	6.4	7.3	0.0	0				MW-8: 18.87
GP-2 (16') without filter		15:13	1.1	6.4	8.3	0.0	0				MW-11: 20.69
GP-2 (16') with filter		15:13	1.1	6.7	7.5	0.0	0				MW-12: 20.47
GP-2 (12') without filter	11/7/2013	13:45	0.0	4.6	9.5	0.0	0	40s	Trace (0.04 inches)	1020 - 1025	MW-7: 18.43
GP-2 (12') with filter		13:45	0.0	4.1	7.9	0.0	0				MW-8: 18.57
GP-2 (16') without filter		13:51	0.0	2.6	10.7	0.0	0				MW-11: 20.28
GP-2 (16') with filter		13:51	0.0	2.6	10.2	0.0	0				MW-12: 20.13
GP-2 (12') without filter	11/12/2013	13:32	0.0	5.8	9.5	0.0	0	20s - 30s	Trace (0.05 inches)	1030 - 1036	MW-7: 18.28
GP-2 (12') with filter		13:32	0.0	6.2	8.6	0.0	0				MW-8: 18.37
GP-2 (16') without filter		13:38	0.0	5.4	9.6	0.0	0				MW-11: 20.02
GP-2 (16') with filter		13:38	0.0	5.3	8.6	0.0	0				MW-12: 19.86
GP-2 (12') without filter	11/20/2013	14:10	0.0	4.5	10.1	0.0	0	20s - 40s	None	1023 - 1026	MW-7: 18.27
GP-2 (12') with filter		14:10	0.0	5.0	8.3	0.0	0				MW-8: 18.40
GP-2 (16') without filter		14:15	0.0	3.5	10.4	0.0	0				MW-11: 20.24
GP-2 (16') with filter		14:15	0.0	4.0	9.8	0.0	0				MW-12: 20.02
GP-2 (12') without filter	11/26/2013	14:35	0.0	3.4	10.4	0.1	1	30s	Trace (0.01 inches)	1013 - 1019	MW-7: 18.10
GP-2 (12') with filter		14:35	0.0	3.4	9.5	0.0	0				MW-8: 18.25
GP-2 (16') without filter		14:39	0.0	3.3	10.7	0.1	1				MW-11: 20.07
GP-2 (16') with filter		14:39	0.0	3.3	10.6	0.1	1				MW-12: 19.85
GP-2 (12') without filter	12/5/2013	14:44	0.0	6.5	9.7	0.0	0	30s - 40s	0.07 inches	1013 - 1016	MW-7: 18:38
GP-2 (12') with filter		14:44	0.0	6.6	8.7	0.0	0				MW-8: 18.52
GP-2 (16') without filter		14:49	0.0	7.3	9.1	0.0	0				MW-11: 20.35
GP-2 (16') with filter		14:49	0.0	7.4	8.3	0.0	0				MW-12: 20.13
GP-2 (12') without filter	12/12/2013	15:45	0.0	9.9	8.5	0.0	0	15 - 20	None	1030 - 1036	MW-7: 18.45
GP-2 (12') with filter		15:45	0.0	9.7	8.3	0.0	0				MW-8: 18.60
GP-2 (16') without filter		15:49	0.0	7.3	10.4	0.0	0				MW-11: 20.42
GP-2 (16') with filter		15:49	0.0	6.9	9.8	0.0	0				MW-12: 20.20
GP-2 (12') without filter	12/19/2013	14:48	0.0	10.8	7.8	0.0	0	30s - 40s	None	1016 - 1018	MW-7: 18.39
GP-2 (12') with filter		14:48	0.0	11.0	6.8	0.0	0				MW-8: 18.54
GP-2 (16') without filter		14:51	0.0	9.0	8.9	0.0	0				MW-11: 20.37
GP-2 (16') with filter		14:51	0.0	9.6	7.9	0.0	0				MW-12: 20.21
GP-2 (12') without filter	12/23/2013	11:20	0.0	8.1	7.9	0.0	0	20s - 30s	Trace (0.02 inches)	1026 - 1029	MW-7: 15.63
GP-2 (12') with filter		11:20	0.0	8.1	6.9	0.0	0				MW-8: 15.72
GP-2 (16') without filter		11:27	0.0	5.8	10.4	0.0	0				MW-11: 17.45
GP-2 (16') with filter		11:27	0.0	7.6	8.7	0.0	0				MW-12: 17.32
GP-2 (12') without filter	1/2/2014	16:20	0.0	21.5	0.1	0.0	0	20s - 30s	5.46 inches	1012 - 1026	MW-7: 15.24
GP-2 (12') with filter		16:20	0.0	18.2	0.3	0.0	0				MW-8: 15.39
GP-2 (16') without filter		16:24	0.0	21.4	0.3	0.0	0				MW-11: 17.21
GP-2 (16') with filter		16:24	0.0	21.5	0.3	0.0	0				MW-12: 16.98

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	1/9/2014	14:40	0.0	13.8	6.6	0.0	0	20s - 30s	1.55 inches	1026 - 1035	MW-7: 15.17
GP-2 (12') with filter		14:40	0.0	14.0	6.0	0.0	0				MW-8: 15.28
GP-2 (16') without filter		14:45	0.0	12.0	8.2	0.0	0				MW-11: 17.11
GP-2 (16') with filter		14:45	0.0	13.1	6.7	0.0	0				MW-12: 16.98
GP-2 (12') without filter	1/16/2014	13:00	0.0	13.8	6.1	0.0	0	20s - 30s	0.97 inches	1008 - 1019	MW-7: 15.93
GP-2 (12') with filter		13:00	0.0	13.9	3.8	0.0	0				MW-8: 16.06
GP-2 (16') without filter		13:07	0.0	12.9	7.2	0.0	0				MW-11: 17.90
GP-2 (16') with filter		13:07	0.0	13.2	4.1	0.0	0				MW-12: 17.71
GP-2 (12') without filter	1/23/2014	13:00	0.0	16.8	5.1	0.0	0	5 - 15	Trace	1019 - 1038	MW-7: 15.62
GP-2 (12') with filter		13:00	0.0	16.5	4.7	0.0	0				MW-8: 15.83
GP-2 (16') without filter		13:07	0.0	15.4	6.0	0.0	0				MW-11: 17.59
GP-2 (16') with filter		13:07	0.0	15.3	4.9	0.0	0				MW-12: 17.46
GP-2 (12') without filter	1/28/2014	14:25	0.0	17.3	4.6	0.0	0	5	None	1030 - 1033	MW-7: 17.27
GP-2 (12') with filter		14:25	0.0	17.3	4.1	0.0	0				MW-8: 17.41
GP-2 (16') without filter		14:30	0.0	15.2	6.5	0.0	0				MW-11 & MW-12: iced over
GP-2 (16') with filter		14:30	0.0	15.2	5.8	0.0	0				
GP-2 (12')	2/6/2014	Inaccessible due to snow coverage from road plows						15 - 25	0.3 inches	1029 - 1032	Inaccessible
GP-2 (12') without filter	2/13/2014	15:16	0.0	17.5	4.5	0.0	0	25 - 35	None	1003 - 1018	MW-7: 17.62
GP-2 (12') with filter		15:16	0.0	17.7	3.8	0.0	0				MW-8: 17.77
GP-2 (16') without filter		15:20	0.0	19.3	2.2	0.0	0				MW-11 & MW-12: iced over
GP-2 (16') with filter		15:20	0.0	19.5	0.6	0.0	0				
GP-2 (12') without filter	2/20/2014	14:12	0.0	16.8	4.3	0.0	0	35 - 40	None	1010 - 1014	MW-7: 17:53
GP-2 (12') with filter		14:12	0.0	16.8	4.0	0.0	0				MW-8: 17.66
GP-2 (16') without filter		14:14	0.0	15.8	5.4	0.0	0				MW-11: 19:50
GP-2 (16') with filter		14:14	0.0	15.9	4.5	0.0	0				MW-12: 19.27
GP-2 (12') without filter	2/27/2014	13:10	0.1	19.3	2.3	0.0	0	15 - 25	Trace	1008 - 1024	MW-7: 15.64
GP-2 (12') with filter		13:10	0.1	19.4	1.7	0.0	0				MW-8: 15.78
GP-2 (16') without filter		13:17	0.0	17.2	4.8	0.1	0				MW-11: 17.59
GP-2 (16') with filter		13:17	0.0	17.4	4.1	0.0	0				MW-12: 17.41
GP-2 (12') without filter	3/6/2014	14:21	0.0	17.8	4.3	0.0	0	35 - 45	None	1020 - 1029	MW-7: na
GP-2 (12') with filter		14:21	0.0	17.7	4.1	0.0	0				MW-8: na
GP-2 (16') without filter		0.0	16.8	5.2	0.0	0	0				MW-11: na
GP-2 (16') with filter		0.0	16.7	5.1	0.0	0	0				MW-12: na
GP-2 (12') without filter	4/2/2014	11:57	0.0	18.1	3.5	0.0	0	50s	Trace (0.15 inches)	1020	MW-7: 14.12
GP-2 (12') with filter		11:57	0.0	18.0	3.7	0.0	0				MW-8: 14.32
GP-2 (16') without filter		0.0	17.3	4.4	0.0	0	0				MW-11: 16.06
GP-2 (16') with filter		0.0	17.3	4.5	0.0	0	0				MW-12: 15.91
GP-2 (12') without filter	5/8/2014 ^[3]	15:18	0.2	16.3	3.0	0.0	0	75-85	None	1013-1017	MW-7: 16.84
GP-2 (12') with filter		15:18	0.2	16.4	2.5	0.0	0				MW-8: 16.70
GP-2 (16') without filter		15:22	0.5	20.3	0.0	0.0	0				MW-11: 18.68
GP-2 (16') with filter		15:22	0.5	20.0	1.6	0.0	0				MW-12: 18.46

Table 2

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	6/3/2014	15:40	0.0	12.6	4.1	0.0	0	75-85	Trace	1011-1014	MW-7: na
GP-2 (12') with filter		15:40	0.0	12.6	3.7	0.0	0				MW-8: na
GP-2 (16') without filter		15:45	0.1	11.6	4.4	0.0	0				MW-11: na
GP-2 (16') with filter		15:45	0.1	11.7	4.4	0.0	0				MW-12: na
GP-2 (12') without filter	7/17/2014	15:17	0.0	2.2	6.7	0.0	0	70-75	None	1016-1020	MW-7: 17.37
GP-2 (12') with filter		15:17	0.0	2.1	6.4	0.0	0				MW-8: 17.51
GP-2 (16') without filter		15:23	15.0	1.7	6.7	1.7	35				MW-11: 19.36
GP-2 (16') with filter		15:23	15.0	1.7	6.2	1.1	23				MW-12: 19.13
GP-2 (12') without filter	8/14/2014	14:40	13.3	2.2	7.4	1.6	33	70-80	None	1014-1017	MW-7: 18.33
GP-2 (12') with filter		14:40	13.3	2.3	6.4	1.4	29				MW-8: 18.19
GP-2 (16') without filter		14:46	45.8	1.3	8.2	5.8	>100				MW-11: 20.17
GP-2 (16') with filter		14:46	45.8	1.3	7.6	2.4	49				MW-12: 19.94
GP-2 (12') without filter	8/21/2014	15:51	25.6	0.9	8.5	2.7	55	75-79	1.14 Inches	1014-1018	MW-7: na
GP-2 (12') with filter		15:51	25.6	0.9	8.2	1.8	36				MW-8: na
GP-2 (16') without filter		14:45	7.2	0.8	9.2	6.0	>100				MW-11: na
GP-2 (16') with filter		14:45	7.2	0.8	8.2	2.4	48				MW-12: na
GP-2 (12') without filter	8/28/2014	11:40	35.4	0.7	9.2	4.5	90	75-80	None	1016-1019	MW-7: 18.11
GP-2 (12') with filter		11:40	35.4	0.7	7.4	2.4	48				MW-8: 18.25
GP-2 (16') without filter		11:43	40.0	1.7	9.5	5.9	>100				MW-11: 20.10
GP-2 (16') with filter		11:43	40.0	1.6	8.3	2.2	45				MW-12: 19.87
GP-2 (12') without filter	9/4/2014	14:40	26.5	3.8	7.6	2.3	46	85-90	None	1016-1019	MW-7: na
GP-2 (12') with filter		14:40	26.5	3.9	7.9	2.1	41				MW-8: na
GP-2 (16') without filter		14:45	38.2	6.1	7.1	3.3	66				MW-11: na
GP-2 (16') with filter		14:45	38.2	6.1	7.3	3.0	60				MW-12: na
GP-2 (12') without filter	10/9/2014	13:34	0.0	4.8	9.0	0.0	0	50s	0.3 Inches	1017-1021	MW-7: na
GP-2 (12') with filter		13:34	0.0	5.2	9.3	0.0	0				MW-8: na
GP-2 (16') without filter		13:40	0.0	3.5	10.4	0.0	0				MW-11: na
GP-2 (16') with filter		13:40	0.0	3.6	10.2	0.0	0				MW-12: na
GP-2 (12') without filter	11/26/2014	13:43	0.0	14.6	4.1	0.0	0	30-35	None	1018-1023	MW-7: na
GP-2 (12') with filter		13:43	0.0	15.0	1.6	0.0	0				MW-8: na
GP-2 (16') without filter		13:46	0.0	13.6	4.6	0.0	0				MW-11: na
GP-2 (16') with filter		13:46	0.0	13.4	2.3	0.0	0				MW-12: na
GP-2 (12') without filter	2/6/2015	16:00	0.0	20.6	0.0	0.0	0	25-35	None	1022 - 1030	MW-7: 17.85
GP-2 (12') with filter		16:00	0.0	20.7	0.0	0.0	0				MW-8: 17.98
GP-2 (16') without filter		16:04	0.0	14.7	5.9	0.0	0				MW-11: 19.81
GP-2 (16') with filter		16:04	0.0	14.8	5.2	0.0	0				MW-12: 19.59
GP-2 (12') without filter	5/20/2015	16:09	0.0	9.5	4.2	0.0	0	50-60	None	1016 - 1022	MW-7: 17.45
GP-2 (12') with filter		16:09	0.0	9.8	3.4	0.0	0				MW-8: 17.60
GP-2 (16') without filter		16:11	0.0	7.1	5.2	0.0	0				MW-11: 19.43
GP-2 (16') with filter		16:11	0.0	7.0	4.9	0.0	0				MW-12: 19.21
GP-2 (12') without filter	8/20/2015	14:00	0.0	4.4	9.0	0.0	0	65-70	trace	1009 - 1017	MW-7: 17.75
GP-2 (12') with filter		14:00	0.0	4.4	8.4	0.0	0				MW-8: 17.56
GP-2 (16') without filter		14:04	1.2	2.3	9.8	0.1	3				MW-11: 19.54
GP-2 (16') with filter		14:04	1.2	2.5	9.6	0.1	2				MW-12: 19.30

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GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter		14:22	0.0	2.2	9.7	0.0	0				MW-7: 18.60
GP-2 (12') with filter		14:22	0.0	2.3	7.5	0.0	0				MW-8: 18.46
GP-2 (16') without filter		14:25	0.0	1.2	10.5	0.0	0				MW-11: 20.43
GP-2 (16') with filter		14:25	0.0	1.2	8.7	0.0	0				MW-12: 20.20

Notes

[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

[3] -CO₂ readings started at 0.1 ppm.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP22-13 (20') without filter	7/11/2013	14:55	0.1	8.4	3.4	0.0	0	60s - 70s	None
GP22-13 (20') with filter		14:55	0.1	8.4	3.6	0.0	0		
GP23-13 (18.5') without filter		15:01	0.9	15.6	3.2	0.0	0		
GP23-13 (18.5') with filter		15:01	0.9	15.0	2.1	0.0	0		
GP24A-13 (20') without filter		15:05	1.4	10.1	7.2	0.0	0		
GP24A-13 (20') with filter		15:05	1.4	8.6	7.5	0.0	0		
GP24B-13 (4.5') without filter		15:10	0.3	11.5	6.1	0.0	0		
GP24B-13 (4.5') with filter		15:10	0.3	11.4	5.9	0.0	0		
GP-7 (8') without filter	7/18/2013	15:31	0.0	16.2	3.0	0.0	0	70s - 90s	None
GP-7 (8') with filter		15:31	0.0	16.1	3.2	0.0	0		
GP-7 (12') without filter		15:31	0.0	13.0	5.0	0.0	0		
GP-7 (12') with filter		15:31	0.0	13.4	4.8	0.0	0		
GP12-09 (6') without filter		15:25	0.1	0.9	10.2	0.5	12		
GP12-09 (6') with filter		15:25	0.1	1.2	11.3	0.6	12		
GP22-13 (20') without filter		14:45	0.3	14.5	1.0	0.0	0		
GP22-13 (20') with filter		14:45	0.3	14.6	1.3	0.1	1		
GP23-13 (18.5') without filter		14:51	0.0	12.2	5.3	0.0	0		
GP23-13 (18.5') with filter		14:51	0.0	12.4	6.0	0.1	1		
GP24A-13 (20') without filter		14:57	0.6	14.4	4.2	0.0	0		
GP24A-13 (20') with filter		14:57	0.6	14.2	4.8	0.0	0		
GP24B-13 (4.5') without filter		15:02	0.0	14.1	4.9	0.0	0		
GP24B-13 (4.5') with filter		15:02	0.0	16.8	3.1	0.0	0		
GP-7 (8') with filter	7/25/2013	14:24	0.0	16.8	3.4	0.0	0	50s - 70s	None
GP-7 (8') without filter		14:24	0.0	16.7	3.2	0.0	0		
GP-7 (12') with filter		14:24	0.0	13.2	5.7	0.0	0		
GP-7 (12') without filter		14:24	0.0	13.2	6.1	0.0	0		
GP-7 (16') with filter		14:24	0.0	10.4	6.6	0.0	0		
GP-7 (16') without filter		14:24	0.0	10.4	6.8	0.0	0		
GP12-09 (6') with filter		14:37	0.6	18.0	3.9	0.0	0		
GP12-09 (6') without filter		14:37	0.6	18.0	4.2	0.0	0		
GP23-13 (18.5') with filter	8/1/2013	14:42	0.0	14.1	4.8	0.0	0	60s - 80s	None
GP23-13 (18.5') without filter		14:42	0.0	14.2	4.6	0.0	0		
GP23-13 (18.5') without filter		14:11	0.0	12.4	5.9	0.0	0		
GP23-13 (18.5') with filter		14:11	0.0	12.1	5.4	0.0	0		
GP-7 (8') without filter		14:17	0.0	16.7	3.1	0.0	0		
GP-7 (8') with filter		14:17	0.0	16.4	3.0	0.0	0		
GP-7 (12') without filter		14:17	0.0	13.2	4.7	0.0	0		
GP-7 (12') with filter		14:17	0.0	13.4	4.9	0.0	0		
GP-7 (16') without filter		14:17	0.0	11.4	6.0	0.0	0		None
GP-7 (16') with filter		14:17	0.0	11.1	6.1	0.0	0		
GP12-09 (6') without filter		14:30	0.1	7.8	7.3	0.3	6		None
GP12-09 (6') with filter		14:30	0.1	8.3	7.8	0.2	4		

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP23-13 (18.5') without filter	8/6/2013	13:56	0.1	12.6	5.4	0.0	0	60s - 80s	None
GP23-13 (18.5') with filter		13:56	0.1	10.4	5.8	0.0	0		
GP-7 (8') without filter		13:40	0.0	16.4	4.7	0.0	0		
GP-7 (8') with filter		13:40	0.0	16.1	4.5	0.0	0		
GP-7 (12') without filter		13:40	0.0	13.1	5.4	0.0	0		
GP-7 (12') with filter		13:40	0.0	13.4	4.9	0.0	0		
GP-7 (16') without filter		13:40	0.0	10.5	6.1	0.0	0		
GP-7 (16') with filter		13:40	0.0	10.6	6.7	0.0	0		
GP12-09 (6') without filter		14:01	0.3	8.7	6.4	0.0	0		
GP12-09 (6') with filter		14:01	0.3	8.9	6.7	0.0	0		
GP12-09 (6') without filter	8/15/2013	13:05	0.0	20.2	1.3	0.0	0	40s - 70s	None
GP12-09 (6') with filter		13:05	0.0	19.8	1.4	0.0	0		
GP23-13 (18.5') without filter		13:11	0.0	11.1	6.7	0.0	0		
GP23-13 (18.5') with filter		13:11	0.0	9.4	6.7	0.0	0		
GP-7 (8') without filter		13:17	0.0	12.8	5.9	0.0	0		
GP-7 (8') with filter		13:17	0.0	14.5	4.6	0.0	0		
GP-7 (12') without filter		13:17	0.0	13.0	4.9	0.0	0		
GP-7 (12') with filter		13:17	0.0	13.4	4.7	0.0	0		
GP-7 (16') without filter		13:17	0.0	9.3	7.6	0.0	0		
GP-7 (16') with filter		13:17	0.0	9.1	6.8	0.0	0		
GP12-09 (6') without filter	8/22/2013	14:21	0.0	0.9	12.0	0.0	0	60s - 80s	Trace (0.06 in.)
GP12-09 (6') with filter		14:21	0.0	0.9	11.6	0.0	0		
GP23-13 (18.5') without filter		14:15	0.0	10.4	6.9	0.0	0		
GP23-13 (18.5') with filter		14:15	0.0	10.6	6.1	0.0	0		
GP-7 (8') without filter		14:26	0.0	10.4	7.0	0.0	0		
GP-7 (8') with filter		14:26	0.0	10.2	6.4	0.0	0		
GP-7 (12') without filter		14:26	0.0	9.5	7.4	0.0	0		
GP-7 (12') with filter		14:26	0.0	9.2	7.2	0.0	0		
GP-7 (16') without filter		14:26	0.0	8.2	7.9	0.0	0		
GP-7 (16') with filter		14:26	0.0	8.4	7.7	0.0	0		
GP12-09 (6') without filter	8/27/2013	13:55	0.3	1.6	11.9	0.0	0	70s - 80s	None
GP12-09 (6') with filter		13:55	0.3	1.5	11.2	0.0	0		
GP23-13 (18.5') without filter		14:01	0.1	10.5	7.5	0.0	0		
GP23-13 (18.5') with filter		14:01	0.1	8.6	8.2	0.0	0		
GP-7 (8') without filter		14:05	0.0	11.1	7.1	0.0	0		
GP-7 (8') with filter		14:05	0.0	10.4	7.3	0.0	0		
GP-7 (12') without filter		14:05	0.1	9.8	7.6	0.0	0		
GP-7 (12') with filter		14:05	0.1	9.2	7.6	0.0	0		
GP-7 (16') without filter		14:05	0.1	8.9	7.8	0.0	0		
GP-7 (16') with filter		14:05	0.1	8.9	7.5	0.0	0		

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP12-09 (6') without filter	9/5/2013	-	0.0	17.9	3.1	0.1	1	50s - 80s	None
GP12-09 (6') with filter		-	0.0	17.5	3.7	0.0	0		
GP23-13 (18.5') without filter		-	0.3	11.3	7.0	0.0	0		
GP23-13 (18.5') with filter		-	0.3	11.7	5.5	0.0	0		
GP-7 (8') without filter		-	0.0	11.0	7.2	0.0	0		
GP-7 (8') with filter		-	0.0	11.3	5.6	0.0	0		
GP-7 (12') without filter		-	0.0	10.3	7.5	0.0	0		
GP-7 (12') with filter		-	0.0	10.6	6.4	0.0	0		
GP-7 (16') without filter		-	0.0	8.4	8.6	0.0	0		
GP-7 (16') with filter		-	0.0	8.4	7.8	0.0	0		
GP23-13 (18.5') without filter	9/12/2013	17:45	0.0	10.4	8.1	0.1	2	60-80s	0.29 inches
GP23-13 (18.5') with filter		17:45	0.0	10.7	6.4	0.1	2		
GP-7 (8') without filter		--	0.0	10.9	7.6	0.0	0		
GP-7 (8') with filter		--	0.0	10.8	7.7	0.0	0		
GP-7 (12') without filter		--	0.1	8.3	9.3	0.0	0		
GP-7 (12') with filter		--	0.1	8.2	9.3	0.0	0		
GP-7 (16') without filter		--	--	7.8	9.3	0.0	0		
GP-7 (16') with filter		--	--	7.9	8.7	0.0	0		
GP-7 (8') without filter	10/17/2013	14:18	0.0	11.5	7.1	0.0	0	40s - 50s	0.1 inches
GP-7 (8') with filter		14:18	0.0	13.5	5.1	0.0	0		
GP-7 (12') without filter		14:23	0.0	11.3	7.0	0.0	0		
GP-7 (12') with filter		14:23	0.0	9.3	8.4	0.0	0		
GP-7 (16') without filter		14:27	0.0	7.9	10.0	0.0	0		
GP-7 (16') with filter		14:27	0.0	8.4	9.3	0.0	0		
GP12-09 (6') without filter		14:14	0.0	17.4	2.4	0.0	0		
GP12-09 (6') with filter		14:14	0.0	17.6	1.5	0.0	0		
GP22-13 (20') without filter		14:31	0.0	0.5	9.7	0.0	0		
GP22-13 (20') with filter		14:31	0.0	1.0	8.9	0.0	0		
GP23-13 (18.5') without filter		14:35	0.0	8.7	10.0	0.0	0		
GP23-13 (18.5') with filter		14:35	0.0	8.2	10.0	0.0	0		
GP24A-13 (20') without filter		14:38	0.0	8.1	10.4	0.0	0		
GP24A-13 (20') with filter		14:38	0.0	10.8	7.9	0.0	0		
GP24B-13 (4.5') without filter		14:42	0.0	11.4	7.2	0.0	0		
GP24B-13 (4.5') with filter		14:42	11.8	5.9	0.0	0.0	0		
GP-7 (8') without filter	11/12/2013	13:00	0.0	14.4	5.5	0.0	0	20s - 30s	Trace (0.05 inches)
GP-7 (8') with filter		13:00	0.0	15.5	4.3	0.0	0		
GP-7 (12') without filter		13:06	0.0	13.7	6.0	0.0	0		
GP-7 (12') with filter		13:06	0.0	13.8	5.5	0.0	0		
GP-7 (16') without filter		13:13	0.0	10.6	8.6	0.0	0		
GP-7 (16') with filter		13:13	0.0	11.7	6.7	0.0	0		
GP12-09 (6') without filter		13:19	0.0	16.1	2.7	0.0	0		
GP12-09 (6') with filter		13:19	0.0	16.8	1.9	0.0	0		
GP23-13 (18.5') without filter		13:25	0.0	10.3	8.2	0.0	0		
GP23-13 (18.5') with filter		13:25	0.0	10.1	7.6	0.0	0		

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7	12/19/2013	Buried Under Snow & Ice						30s - 40s	None
GP12-09 (6') without filter		14:54	0.0	19.9	0.8	0.0	0		
GP12-09 (6') with filter		14:54	0.0	19.0	0.4	0.0	0		
GP23-13 (18.5') without filter		14:57	0.0	12.1	8.3	0.0	0		
GP23-13 (18.5') with filter		14:57	0.0	12.4	7.0	0.0	0		
GP-7 (8') without filter	1/9/2014	14:25	0.0	18.5	2.7	0.0	0	20s - 30s	1.55 inches
GP-7 (8') with filter		14:25	0.0	19.0	1.2	0.0	0		
GP-7 (12') without filter		14:30	0.0	18.2	2.8	0.0	0		
GP-7 (12') with filter		14:30	0.0	18.4	1.6	0.0	0		
GP-7 (16') without filter		14:36	0.0	16.2	4.9	0.0	0		
GP-7 (16') with filter		14:36	0.0	16.7	3.9	0.0	0		
GP12-09 (6') without filter		14:20	0.0	12.9	3.6	0.0	0		
GP12-09 (6') with filter		14:20	0.0	12.6	2.9	0.0	0		
GP22-13 (20') without filter		14:00	0.0	8.5	6.3	0.0	0		
GP22-13 (20') with filter		14:00	0.0	15.8	2.5	0.0	0		
GP23-13 (18.5') without filter		14:05	0.0	14.2	6.1	0.0	0		
GP23-13 (18.5') with filter		14:05	0.0	16.8	3.2	0.0	0		
GP24A-13 (20') without filter	3/10/2014	14:11	0.0	14.3	5.4	0.0	0	40s - 50s	None
GP24A-13 (20') with filter		14:11	0.0	17.7	2.8	0.0	0		
GP24B-13 (4.5') without filter		14:16	0.1	16.5	3.1	0.0	0		
GP24B-13 (4.5') with filter		14:16	0.1	15.5	2.7	0.0	0		
GP-7 (8') without filter	4/2/2014	11:17	0.0	19.6	1.8	0.0	0	50s	Trace (0.15 inches)
GP-7 (8') with filter		11:17	0.0	19.9	1.2	0.0	0		
GP-7 (12') without filter			0.0	19.9	1.9	0.0	0		
GP-7 (12') with filter			0.0	20.2	0.6	0.0	0		
GP-7 (16') without filter				19.8	2.8	0.0	0		
GP-7 (16') with filter				20.2	1.5	0.0	0		
GP12-09 (6') without filter		11:28	0.0	16.4	6.0	0.0	0		
GP12-09 (6') with filter		11:28	0.0	16.8	5.3	0.0	0		
GP23-13 (18.5') without filter			0.0	21.3	0.4	0.0	0		
GP23-13 (18.5') with filter			0.0	20.8	2.3	0.0	0		

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
GP-7	5/8/2014 [1]			Inaccessible					75-85	
GP12-09 (6') without filter		15:25	0.0	20.0	0.2	0.0	0			
GP12-09 (6') with filter		15:25	0.0	20.1	0.1	0.0	0			
GP22-13 (20') without filter		15:28	0.1	9.0	4.5	0.0	0			
GP22-13 (20') with filter		15:28	0.1	9.2	3.7	0.0	0			
GP23-13 (18.5') without filter		15:31	0.0	16.9	3.0	0.0	0			
GP23-13 (18.5') with filter		15:31	0.0	16.6	2.1	0.0	0			
GP24A-13 (20') without filter		15:40	0.0	14.7	3.5	0.0	0			
GP24A-13 (20') with filter		15:40	0.0	14.9	2.8	0.0	0			
GP24B-13 (4.5') without filter		15:44	0.0	16.5	3.0	0.0	0			
GP24B-13 (4.5') with filter		15:44	0.0	16.6	2.8	0.0	0			
GP-7	7/17/2014			Inaccessible (unable to located soil gas probe)					70-75	
GP12-09 (6') without filter		15:37	0.0	19.4	0.7	0.0	0			
GP12-09 (6') with filter		15:37	0.0	19.5	0.3	0.0	0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		15:41	0.0	13.7	4.3	0.0	0			
GP23-13 (18.5') with filter		15:41	0.0	13.7	4.0	0.0	0			
GP24A-13 (20') without filter		15:44	0.0	12.0	5.5	0.0	0			
GP24A-13 (20') with filter		15:44	0.0	12.1	5.3	0.0	0			
GP24B-13 (4.5') without filter		15:47	0.0	13.0	5.2	0.0	0			
GP24B-13 (4.5') with filter		15:47	0.0	13.1	4.9	0.0	0			
GP-7	8/14/2014			Inaccessible (unable to located soil gas probe)					70-80	
GP12-09 (6') without filter		14:55	0.0	20.0	0.9	0.0	0.0			
GP12-09 (6') with filter		14:55	0.0	20.1	0.4	0.0	0.0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		15:00	0.0	13.1	4.9	0.0	0.0			
GP23-13 (18.5') with filter		15:00	0.0	13.2	4.7	0.0	0.0			
GP24A-13 (20') without filter		15:03	0.0	13.2	5.8	0.0	0.0			
GP24A-13 (20') with filter		15:03	0.0	13.3	5.3	0.0	0.0			
GP24B-13 (4.5') without filter		15:06	0.0	15.5	4.8	0.0	0.0			
GP24B-13 (4.5') with filter		15:06	0.0	15.5	4.7	0.0	0.0			
GP-7	8/21/2014			Inaccessible (unable to located soil gas probe)					75-79	
GP12-09 (6') without filter		15:58	0.0	20.0	0.9	0.0	0.0			
GP12-09 (6') with filter		15:58	0.0	20.1	0.5	0.0	0.0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		16:02	0.0	11.9	6.8	0.0	0.0			
GP23-13 (18.5') with filter		16:02	0.0	12.2	5.8	0.0	0.0			
GP24A-13 (20') without filter		16:05	0.0	13.3	6.2	0.0	0.0			
GP24A-13 (20') with filter		16:05	0.0	13.3	6.0	0.0	0.0			
GP24B-13 (4.5') without filter		16:10	0.0	15.8	5.1	0.0	0.0			
GP24B-13 (4.5') with filter		16:10	0.0	15.7	4.6	0.0	0.0			
GP-7	8/28/2014			Inaccessible (unable to located soil gas probe)					75-80	
GP12-09 (6') without filter		11:48	0.0	19.7	1.0	0.0	0.0			
GP12-09 (6') with filter		11:48	0.0	19.8	0.4	0.0	0.0			
GP22-13 (20')				Inaccessible (access restricted by property owner)						
GP23-13 (18.5') without filter		11:50	1.0	13.2	6.1	0.0	0.0			
GP23-13 (18.5') with filter		11:50	1.0	13.5	4.5	0.0	0.0			
GP24A-13 (20') without filter		11:55	1.0	14.1	5.4	0.0	0.0			
GP24A-13 (20') with filter		11:55	1.0	15.6	3.6	0.0	0.0			
GP24B-13 (4.5') without filter		12:00	0.0	13.9	6.2	0.0	0.0			
GP24B-13 (4.5') with filter		12:00	0.0	14.0	5.6	0.0	0.0			

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation		
GP-7 (8') without filter	9/4/2014	14:25	0.0	14.3	4.6	0.0	0	85-90	None		
GP-7 (8') with filter		14:25	0.0	14.3	4.5	0.0	0				
GP-7 (12') without filter		14:30	0.0	12.0	6.4	0.0	0				
GP-7 (12') with filter		14:30	0.0	21.1	6.6	0.0	0				
GP-7 (16') without filter		14:36	0.0	10.6	7.0	0.0	0				
GP-7 (16') with filter		14:36	0.0	10.6	7.4	0.0	0				
GP12-09 (6') without filter		14:19	0.0	19.2	1.2	0.0	0				
GP12-09 (6') with filter		14:19	0.0	19.1	1.5	0.0	0				
GP22-13 (20')		Inaccessible (access restricted by property owner)									
GP23-13 (18.5') without filter		14:02	0.0	13.1	5.9	0.0	0				
GP23-13 (18.5') with filter		14:02	0.0	13.0	6.2	0.0	0				
GP24A-13 (20') without filter		14:07	0.0	14.2	5.9	0.0	0				
GP24A-13 (20') with filter		14:07	0.0	14.2	5.2	0.0	0				
GP24B-13 (4.5') without filter		14:13	0.0	13.7	5.6	0.0	0				
GP24B-13 (4.5') with filter		14:13	0.0	13.6	5.8	0.0	0				
GP-7 (8') without filter	10/9/2014	13:06	0.2	13.9	5.4	0.0	0	50s	0.3 inches		
GP-7 (8') with filter		13:06	0.2	14.1	5.2	0.0	0				
GP-7 (12') without filter		13:12	0.3	12.2	6.7	0.0	0				
GP-7 (12') with filter		13:12	0.3	12.5	5.8	0.0	0				
GP-7 (16') without filter		13:17	0.6	11.1	7.2	0.0	0				
GP-7 (16') with filter		13:17	0.6	11.0	7.4	0.0	0				
GP12-09 (6') without filter		12:35	0.0	12.3	6.8	0.0	0				
GP12-09 (6') with filter		12:35	0.0	12.5	6.5	0.0	0				
GP22-13 (20') without filter		12:41	0.0	7.9	6.1	0.0	0				
GP22-13 (20') with filter		12:41	0.0	7.8	6.3	0.0	0				
GP23-13 (18.5') without filter		12:48	0.0	13.6	5.7	0.0	0				
GP23-13 (18.5') with filter		12:48	0.0	13.8	6.0	0.0	0				
GP24A-13 (20') without filter		12:54	0.0	15.5	4.4	0.0	0				
GP24A-13 (20') with filter		12:54	0.0	15.8	4.6	0.0	0				
GP24B-13 (4.5') without filter		13:00	0.0	15.3	4.7	0.0	0				
GP24B-13 (4.5') with filter		13:00	0.0	15.3	4.5	0.0	0				
GP-7 (8') without filter	11/26/2014	13:50	0.0	19.6	2.0	0.0	0	30-35	None		
GP-7 (8') with filter		13:50	0.0	19.8	0.8	0.0	0				
GP-7 (12') without filter		13:53	0.0	19.5	2.0	0.0	0				
GP-7 (12') with filter		13:53	0.0	19.8	1.3	0.0	0				
GP-7 (16') without filter		13:55	0.0	18.1	3.4	0.0	0				
GP-7 (16') with filter		13:55	0.0	18.4	1.5	0.0	0				
GP12-09 (6') without filter		13:57	0.0	21.4	2.8	0.0	0				
GP12-09 (6') with filter		13:57	0.0	21.0	2.5	0.0	0				
GP22-13 (20')		Inaccessible (access restricted by property owner)									
GP23-13 (18.5') without filter		13:59	0.0	17.5	3.8	0.0	0				
GP23-13 (18.5') with filter		13:59	0.0	18.6	1.3	0.0	0				
GP24A-13 (20') without filter		14:02	0.0	18.0	3.7	0.0	0				
GP24A-13 (20') with filter		14:02	0.0	20.7	1.8	0.0	0				
GP24B-13 (4.5') without filter		14:04	0.0	19.0	2.6	0.0	0				
GP24B-13 (4.5') with filter		14:04	0.0	20.4	2.3	0.0	0				

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation		
GP-7 (8') without filter	2/6/2015	16:07	0.0	19.4	2.6	0.0	0	25-35	None		
GP-7 (8') with filter		16:07	0.0	19.2	2.4	0.0	0				
GP-7 (12') without filter		16:10	0.0	18.8	3.1	0.0	0				
GP-7 (12') with filter		16:10	0.0	19.1	2.0	0.0	0				
GP-7 (16') without filter		16:13	0.0	19.5	2.2	0.0	0				
GP-7 (16') with filter		16:13	0.0	19.6	1.4	0.0	0				
GP12-09 (6') without filter		16:16	0.0	20.8	1.2	0.0	0				
GP12-09 (6') with filter		16:16	0.0	20.9	1.1	0.0	0				
GP22-13 (20')		Inaccessible (access restricted by property owner)									
GP23-13 (18.5') without filter		16:19	0.0	17.1	4.9	0.0	0				
GP23-13 (18.5') with filter		16:19	0.0	17.0	3.4	0.0	0				
GP24A-13 (20') without filter		16:23	0.0	16.6	4.6	0.0	0				
GP24A-13 (20') with filter		16:23	0.0	18.3	3.0	0.0	0				
GP24B-13 (4.5') without filter		16:26	0.0	17.8	3.2	0.0	0				
GP24B-13 (4.5') with filter		16:26	0.0	17.9	2.4	0.0	0				
GP-7 (8') without filter	5/20/2015	16:14	0.0	17.4	2.8	0.0	0	50-60	None		
GP-7 (8') with filter		16:14	0.0	17.5	2.0	0.0	0				
GP-7 (12') without filter		16:16	0.0	16.7	3.2	0.0	0				
GP-7 (12') with filter		16:16	0.0	16.9	2.8	0.0	0				
GP-7 (16') without filter		16:18	0.0	16.7	3.1	0.0	0				
GP-7 (16') with filter		16:18	0.0	16.9	2.3	0.0	0				
GP12-09 (6') without filter		16:20	0.0	20.7	0.6	0.0	0				
GP12-09 (6') with filter		16:20	0.0	21.0	0.4	0.0	0				
GP22-13 (20') without filter		16:22	0.0	7.3	6.0	0.0	0				
GP22-13 (20') with filter		16:22	0.0	7.2	5.4	0.0	0				
GP23-13 (18.5') without filter		16:26	0.2	17.5	2.2	0.0	0				
GP23-13 (18.5') with filter		16:26	0.2	17.8	1.8	0.0	0				
GP24A-13 (20') without filter		16:29	0.0	14.9	4.4	0.0	0				
GP24A-13 (20') with filter		16:29	0.0	15.0	3.7	0.0	0				
GP24B-13 (4.5') without filter		16:31	0.0	16.8	3.8	0.0	0				
GP24B-13 (4.5') with filter		16:31	0.0	16.9	2.9	0.0	0				
GP-7 (8') without filter	8/20/2015	14:07	0.0	11.8	6.1	0.0	0	65-70	Trace		
GP-7 (8') with filter		14:07	0.0	13.4	4.6	0.0	0				
GP-7 (12') without filter		14:10	0.0	11.9	6.2	0.0	0				
GP-7 (12') with filter		14:10	0.0	11.5	5.8	0.0	0				
GP-7 (16') without filter		14:13	0.0	11.2	6.1	0.0	0				
GP-7 (16') with filter		14:13	0.0	11.3	5.6	0.0	0				
GP12-09 (6') without filter		14:17	0.0	19.0	1.0	0.0	0				
GP12-09 (6') with filter		14:17	0.0	19.2	0.6	0.0	0				
GP22-13 (20') without filter		14:20	0.0	2.7	7.8	0.0	0				
GP22-13 (20') with filter		14:20	0.0	2.6	7.3	0.0	0				
GP23-13 (18.5') without filter		14:24	0.0	13.8	4.9	0.0	0				
GP23-13 (18.5') with filter		14:24	0.0	13.8	4.8	0.0	0				
GP24A-13 (20') without filter		14:28	0.0	13.4	6.4	0.0	0				
GP24A-13 (20') with filter		14:28	0.0	13.2	6.2	0.0	0				
GP24B-13 (4.5') without filter		14:32	0.0	13.4	6.4	0.0	0				
GP24B-13 (4.5') with filter		14:32	0.0	13.2	6.2	0.0	0				

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Soil Gas Probe Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation
GP-7 (8') without filter	11/5/2015	14:45	0.0	13.8	4.9	0.0	0	60-70	Trace
GP-7 (8') with filter		14:45	0.0	13.8	3.9	0.0	0		
GP-7 (12') without filter		14:47	0.0	13.2	5.3	0.0	0		
GP-7 (12') with filter		14:47	0.0	13.3	4.6	0.0	0		
GP-7 (16') without filter		14:50	0.0	11.2	7.3	0.0	0		
GP-7 (16') with filter		14:50	0.0	11.4	6.2	0.0	0		
GP12-09 (6') without filter		14:55	0.0	20.1	0.4	0.0	0		
GP12-09 (6') with filter		14:55	0.0	20.2	0.2	0.0	0		
GP22-13 (20') without filter		14:42	0.0	1.6	9.2	0.0	0		
GP22-13 (20') with filter		14:42	0.0	1.4	8.1	0.0	0		
GP23-13 (18.5') without filter		14:38	0.0	11.7	7.5	0.0	0		
GP23-13 (18.5') with filter		14:38	0.0	11.9	6.8	0.0	0		
GP24A-13 (20') without filter		14:30	0.0	11.5	8.0	0.0	0		
GP24A-13 (20') with filter		14:30	0.0	11.7	6.9	0.0	0		
GP24B-13 (4.5') without filter		14:34	0.0	14.2	5.2	0.0	0		
GP24B-13 (4.5') with filter		14:34	0.0	14.3	5.0	0.0	0		

Notes

- ^[1] -CO₂ readings started at 0.1 ppm.
- PID - Photoionization Detector
- O₂ - Oxygen
- CO₂ - Carbon Dioxide
- CH₄ - Methane
- LEL - Lower Explosive Limit
- NM - Not measured
- U - Qualified as non-detect due to issues with the filter
- Value** - Value is greater than LEL for methane (5 percent methane)